

chain nodes :

11 12 13 14 15 16 17 18 19 20 21 22 28 30 31 32 33 34 36 37 38 39 40 41 42 51
55 56 57 58

ring nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

1-55 2-56 7-57 8-58 11-21 12-18 13-15 13-19 14-16 14-17 19-20 21-22 30-31 31-32 32-33
32-36 33-34 37-38 37-39 39-40 39-42 40-41

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10

exact/norm bonds :

11-21 13-19 19-20 21-22 30-31 31-32 32-36 33-34 37-38 37-39 39-42 40-41

exact bonds :

1-55 2-56 7-57 8-58 12-18 13-15 14-16 14-17 32-33 39-40

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10

isolated ring systems :

containing 1 :

G1:[*1],[*2],[*3],[*4]

G2:H,Ak

G3:[*5],[*6]

Connectivity :

7:3 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS12:CLASS
13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:CLASS20:CLASS21:CLASS22:CLASS
28:CLASS29:Atom 30:CLASS31:CLASS32:CLASS33:CLASS34:Atom 36:CLASS37:CLASS38:CLASS
39:CLASS40:CLASS41:Atom 42:CLASS51:CLASS52:Atom 55:CLASS56:CLASS57:CLASS58:CLASS

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	4	JUL 02	CHEMCATS accession numbers revised
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NEWS	6	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
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NEWS	15	AUG 27	USPATOLD now available on STN
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NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS	27	NOV 30	ICSD reloaded with enhancements
NEWS	28	DEC 04	LINPADOCDB now available on STN
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
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FILE 'HOME' ENTERED AT 12:56:17 ON 11 DEC 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:56:26 ON 11 DEC 2007

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DICTIONARY FILE UPDATES: 10 DEC 2007 HIGHEST RN 957336-90-2

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

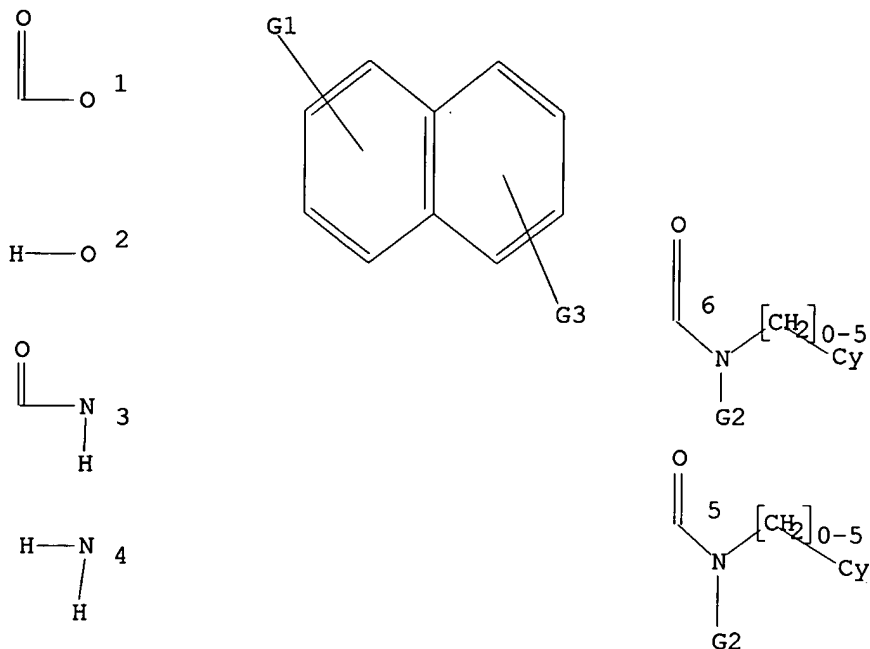
Uploading C:\Program Files\Stnexp\Queries\10510242-final-action-1.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 [C1],[C2],[C3],[C4]

G2 H,Ak

G3 [C5],[C6]

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:56:50 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 20105 TO ITERATE

9.9% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 393611 TO 410589
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 12:56:57 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 399954 TO ITERATE

100.0% PROCESSED 399954 ITERATIONS
SEARCH TIME: 00.00.05

99 ANSWERS

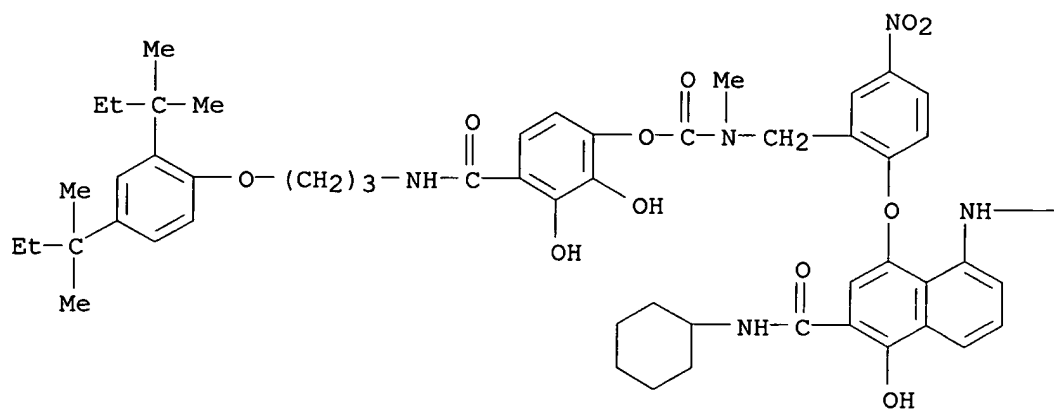
L3 99 SEA SSS FUL L1

=> d l3 scan

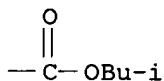
L3 99 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Carbamic acid, [[2-[[3-[(cyclohexylamino)carbonyl]-4-hydroxy-8-[[2-methylpropoxy)carbonyl]amino]-1-naphthalenyl]oxy]-5-nitrophenyl]methyl]methyl-, 4-[[[3-[2,4-bis(1,1-

dimethylpropyl)phenoxy]propyl]amino]carbonyl]-2,3-dihydroxyphenyl ester
(9CI)
MF C57 H71 N5 O13

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Program Files\Stnexp\Queries\10510242-final-action-2.str

L4 STRUCTURE UPLOADED

=> d 14

L4 HAS NO ANSWERS

L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 14 full

FULL SEARCH INITIATED 12:59:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 399954 TO ITERATE

100.0% PROCESSED 399954 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.04

L5 0 SEA SSS FUL L4

=> s 14

SAMPLE SEARCH INITIATED 12:59:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 20105 TO ITERATE

9.9% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 393611 TO 410589
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L4

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	346.00	346.21

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FILE LAST UPDATED: 10 Dec 2007 (20071210/ED)

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<http://www.cas.org/infopolicy.html>

=> s 13

L7 66 L3

=> s 17 not py > 2003

5069684 PY > 2003
L8 60 L7 NOT PY > 2003

=> s 18 and cancer

339759 CANCER
L9 0 L8 AND CANCER

=> d 18 ibib abs hitstr 1-

YOU HAVE REQUESTED DATA FROM 60 ANSWERS - CONTINUE? Y/(N):y

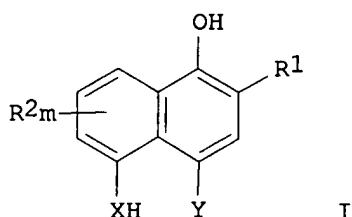
L8 ANSWER 1 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:785279 CAPLUS
Correction of: 1986:177615
DOCUMENT NUMBER: 139:283282

Correction of: 104:177615

TITLE: Naphthol-type cyan couplers and photographic materials containing these couplers
 INVENTOR(S): Saito, Naoki; Aoki, Kozo; Yokota, Yukio
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 106 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 161626	A2	19851121	EP 1985-105599	19850507
EP 161626	A3	19870603		
EP 161626	B1	19901205		
R: DE, FR, GB, NL				
JP 60237448	A	19851126	JP 1984-93605	19840510
JP 05021223	B	19930323		
JP 61153640	A	19860712	JP 1984-264277	19841214
JP 05014891	B	19930226		
JP 61145557	A	19860703	JP 1984-268135	19841219
JP 05019697	B	19930317		
US 4690889	A	19870901	US 1985-732771	19850510
PRIORITY APPLN. INFO.:			JP 1984-93605	A 19840510
			JP 1984-264277	A 19841214
			JP 1984-268135	A 19841219

OTHER SOURCE(S): MARPAT 139:283282
 GI



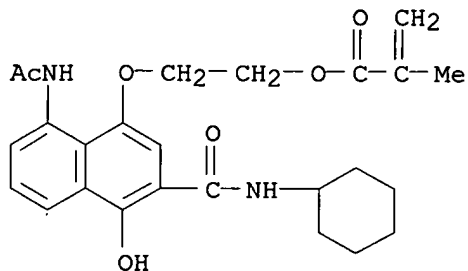
- AB Naphthol-type photog. cyan couplers producing dye images with excellent heat- and light fastness are described. These couplers are represented by formula I (R1 = -COR3R4, -NHCOR3, -NHCOOR5, -NHCOOR5, -NHCONR3R4, -NHCOOR5, -NHCONR3R4; R3, R4 = H, alkyl, alkenyl, alkynyl, aryl, monocyclic or condensed heterocyclic ring; R5 = alkyl, alkenyl, alkynyl, aryl including condensed ring, monocyclic or condensed heterocyclic ring; R2 = substituent; m = 0-3; X = O, S, R6N; R6 = H, monovalent organic group; Y = H, leaving group capable of being released upon coupling reaction with oxidized amine developer). Comps. I may form dimers or polymers bonded together at R1, R2, X or Y via divalent or higher valent group. The compound I can form copolymers with acrylate, methacrylate or maleate monomers.
- IT 101661-54-5P
 RL: DEV (Device component use); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (coupler; photog. materials using naphthol-type photog. cyan couplers producing dye images with excellent heat- and light fastness)
- RN 101661-54-5 CAPLUS
- CN 2-Propenoic acid, 2-methyl-, polymer with 2-[[8-(acetylamino)-3-[(cyclohexylamino)carbonyl]-4-hydroxy-1-naphthalenyl]oxy]ethyl

2-methyl-2-propenoate and methyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 101661-53-4

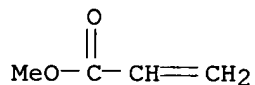
CMF C25 H30 N2 O6



CM 2

CRN 96-33-3

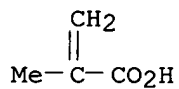
CMF C4 H6 O2



CM 3

CRN 79-41-4

CMF C4 H6 O2



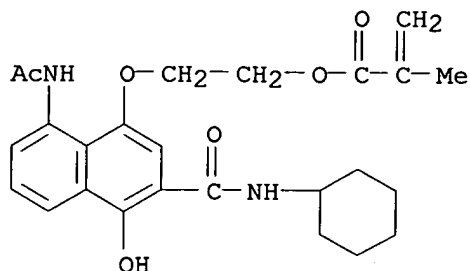
IT 101661-53-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(polymerization with acrylates and methacrylic acid in synthesis of photog. cyan couplers)

RN 101661-53-4 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[[8-(acetylamino)-3-[(cyclohexylamino)carbonyl]-4-hydroxy-1-naphthalenyl]oxy]ethyl ester (CA INDEX NAME)



L8 ANSWER 2 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:412757 CAPLUS

DOCUMENT NUMBER: 131:108866

TITLE: Cyan coupler and silver halide color photographic material using same

INVENTOR(S): Nagato, Michiko; Ishige, Osamu

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

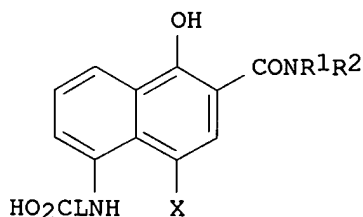
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11174639	A	19990702	JP 1997-361789	19971210
PRIORITY APPLN. INFO.:			JP 1997-361789	19971210
OTHER SOURCE(S):	MARPAT	131:108866		

GI



I

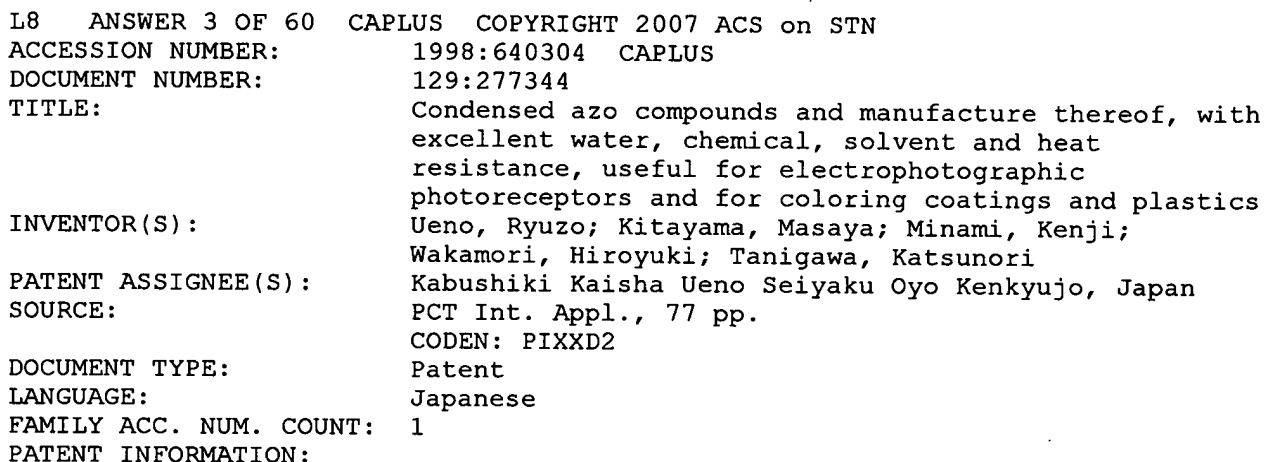
AB The title cyan coupler has the general formula I (L = divalent linking group; R1, R2 = H, aliphatic or aromatic group, heterocycle, alkoxy, aryloxy; X = H, releasable group; R1 ≠ R2 ≠ H). The photog. material possesses ≥1 red-sensitive Ag halide emulsion layers ≥1 of which contains the cyan coupler on a support. The material shows high sensitivity, coloring properties, and graininess.

IT 230614-61-6

RL: DEV (Device component use); USES (Uses)
(naphthol deriv photog. cyan coupler)

RN 230614-61-6 CAPLUS

CN Butanoic acid, 4-[[[8-bromo-5-hydroxy-6-[[[4-(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]amino]-4-oxo- (CA INDEX NAME)



PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9841580	A1	19980924	WO 1998-JP1166	19980319
W: CA, CN, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
TW 445284	B	20010711	TW 1998-87103987	19980318
CA 2255592	A1	19980924	CA 1998-2255592	19980319
EP 913430	A1	19990506	EP 1998-909751	19980319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 3171449	B2	20010528	JP 1998-540370	19980319
CN 1090205	B	20020904	CN 1998-800659	19980319
US 6005085	A	19991221	US 1998-194500	19981118
KR 2000011154	A	20000225	KR 1998-709315	19981118
CN 1401631	A	20030312	CN 2002-124593	20020618
PRIORITY APPLN. INFO.:			JP 1997-65995	A 19970319
			WO 1998-JP1166	W 19980319
OTHER SOURCE(S):	MARPAT	129:277344		
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. have the general formulas I, II or III, wherein Y = (CONH)_nX, COR; Y' = (CONH)_nX', COR'; X, X' = C1-16 (branched) alkyl, (un)substituted aryl., (un)substituted heterocyclic group containing conjugated double bond; n = 1, 2; R, R' = OH, C1-30 (branched) alkoxy, benzyloxy, phenoxy, phenacyloxy; R₂, R₃ = H, C1-6 (branched) alkyl, acyl, phenylalkyl; Q, Q' = C1-6 (branched) alkyl, alkoxy, halogen, nitro, nitroso; m, m' = 0-3; A = C1-12 (branched) alkylene, cyclic group containing conjugated double bond; Z, Z' = (un)substituted aromatic group.

2,5-Dichloroaniline was diazotized and coupled with 1,4-bis(2-hydroxy-6-phenylaminocarbonyl-3-naphthylcarbonylamino)benzene to obtain brownish red 1,4-bis[1-(2,5-dichlorophenylazo)-2-hydroxy-6-phenylaminocarbonyl-3-naphthylcarbonylamino]benzene.

IT 213672-57-2P 213672-58-3P 213672-67-4P

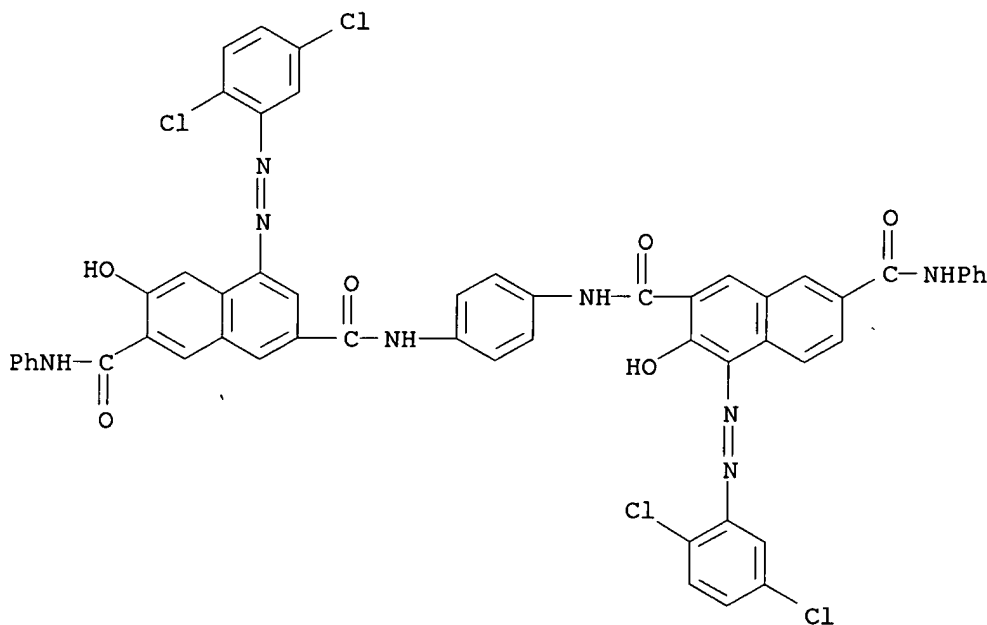
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(condensed azo compds. and manufacture thereof, with excellent water, chemical,

solvent and heat resistance, useful for electrophotog. photoreceptors and for coloring coatings, inks and plastics)

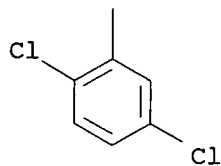
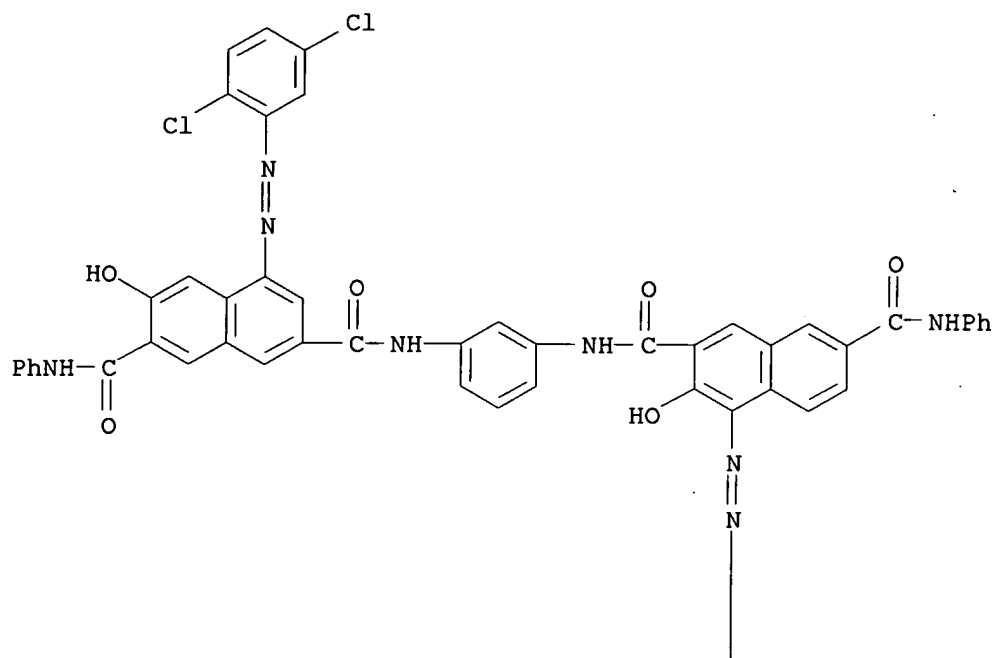
RN 213672-57-2 CAPLUS

CN 2,7-Naphthalenedicarboxamide, 4-[(2,5-dichlorophenyl)azo]-N2-[4-[[[4-[(2,5-dichlorophenyl)azo]-6-hydroxy-7-[(phenylamino)carbonyl]-2-naphthalenyl]carbonyl]amino]phenyl]-3-hydroxy-N7-phenyl- (9CI) (CA INDEX NAME)

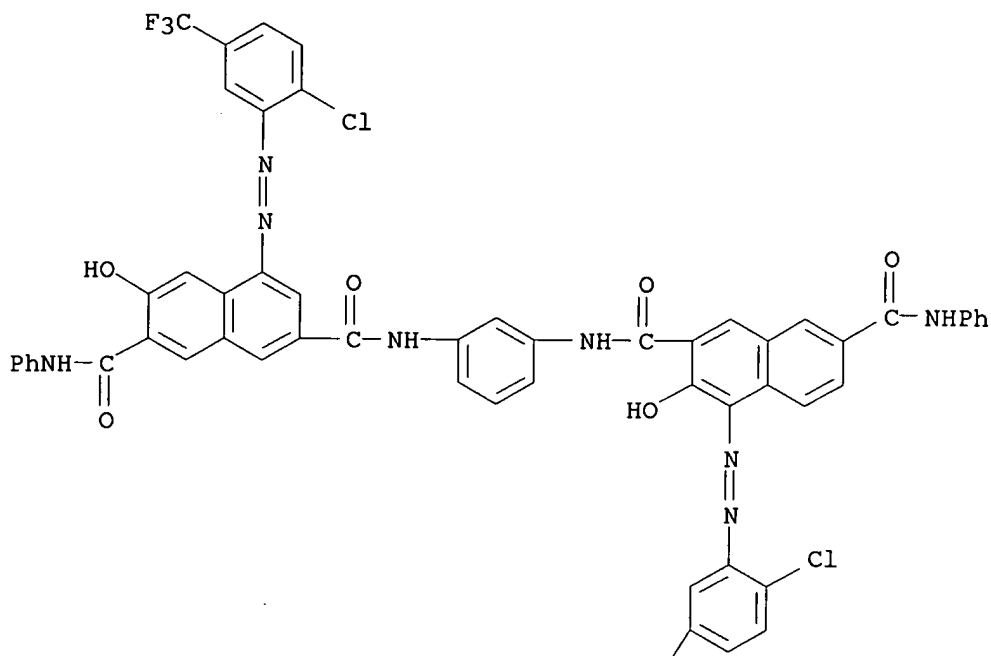


RN 213672-58-3 CAPLUS

CN 2,7-Naphthalenedicarboxamide, 4-[(2,5-dichlorophenyl)azo]-N2-[3-[[[4-[(2,5-dichlorophenyl)azo]-6-hydroxy-7-[(phenylamino)carbonyl]-2-naphthalenyl]carbonyl]amino]phenyl]-3-hydroxy-N7-phenyl- (9CI) (CA INDEX NAME)



RN 213672-67-4 CAPLUS
 CN 2,7-Naphthalenedicarboxamide, 4-[[2-chloro-5-(trifluoromethyl)phenyl]azo]-
 N2-[3-[[[4-[[2-chloro-5-(trifluoromethyl)phenyl]azo]-6-hydroxy-7-
 [(phenylamino)carbonyl]-2-naphthalenyl]carbonyl]amino]phenyl]-3-hydroxy-N7-
 phenyl- (9CI) (CA INDEX NAME)

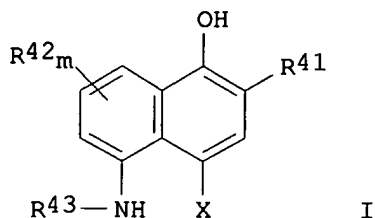


F3C

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1998:126823 CAPLUS
 DOCUMENT NUMBER: 128:237180
 TITLE: narnarcissnnarnnnnarcissnNnarcissnarSilver halide
 photographic material containing hydrazine developing
 agent and cyan coupler and image formation
 INVENTOR(S): Okawa, Atsuhiko
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 77 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10055055	A	19980224	JP 1996-210295	19960808
PRIORITY APPLN. INFO.: GI			JP 1996-210295	19960808



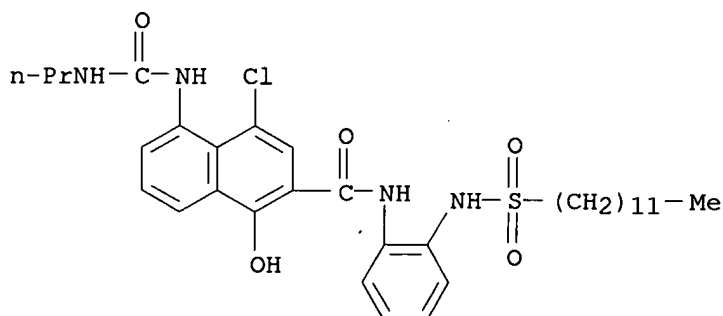
AB The material contains ≥ 1 hydrazine developing agent and ≥ 1 cyan coupler I (R41 = CONR44R45, SO2NR44R45, NHCOR44, NHCO2R44, NHCONR44R45, NHSO2R44, NHSO2R44R45; R42 = group for substituting naphthalene ring; m = 0-3; R43 = CONR44R45, SO2NR44R5; X = H, group to be released by reaction with an oxidation product of a color developing agent; R44, R45 = H, alkyl, aryl, heterocycle; R42 may form a ring; R42 and R43 may form a ring) in one of photog. layers on a support. The material is developed at 60-180° or in a solution. The coupler forms a cyan dye improved in hue, color formation, and light stability.

IT 204457-34-1 204457-63-6

RL: TEM (Technical or engineered material use); USES (Uses)
(cyan couplers for silver halide photog. emulsion developed by hydrazine)

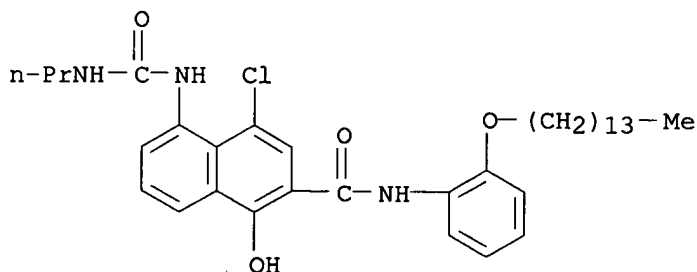
RN 204457-34-1 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-[2-[(dodecylsulfonyl)amino]phenyl]-1-hydroxy-5-[[(propylamino)carbonyl]amino]- (CA INDEX NAME)



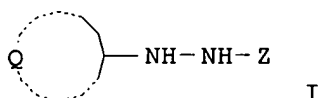
RN 204457-63-6 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-1-hydroxy-5-[[(propylamino)carbonyl]amino]-N-[2-(tetradecyloxy)phenyl]- (CA INDEX NAME)

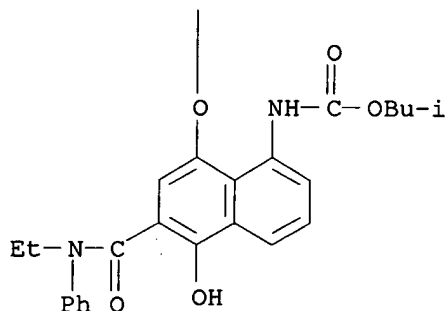
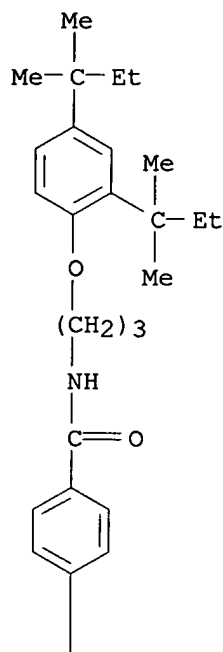


DOCUMENT NUMBER: 128:250632
 TITLE: Silver halide photographic films developable with developer-free activator solutions
 INVENTOR(S): Sato, Takehiko
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 71 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10055048	A	19980224	JP 1996-224585	19960808
PRIORITY APPLN. INFO.: GI			JP 1996-224585	19960808



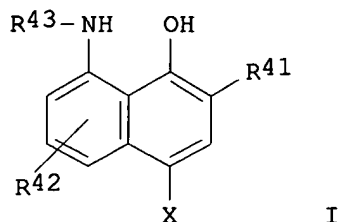
- AB In the films, reducing agents of hydrazine derivs. I (Z = carbamoyl, acyl, alkoxycarbonyl, aryloxy carbonyl; Q = atomic groups forming unsatd. rings) are included in coupler-containing layers, and layer A containing (precursors of) developing aids, layer B containing anionic-group-having macromols., and layer C containing mordants are arranged in A/B/C order. The couplers generate diffusible dyes. The films show excellent storage stability and provide high-d. images.
- IT 204712-05-0
 RL: DEV (Device component use); USES (Uses)
 (couplers; Ag halide photog. films developable with developer-free activator solns. at high throughput)
- RN 204712-05-0 CAPLUS
- CN Carbamic acid, [8-[4-[[[3-[2,4-bis(1,1-dimethylpropyl)phenoxy]propyl]amino]carbonyl]phenoxy]-6-[(ethylphenylamino)carbonyl]-5-hydroxy-1-naphthalenyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



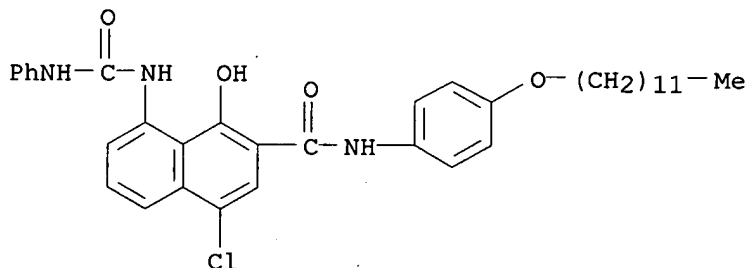
L8 ANSWER 6 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1998:126816 CAPLUS
 DOCUMENT NUMBER: 128:223805
 TITLE: Silver halide photographic material containing
 hydrazine developing agent and cyan coupler and image
 formation using it
 INVENTOR(S): Okawa, Atsuhiko
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 74 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10055047	A	19980224	JP 1996-210294	19960808
PRIORITY APPLN. INFO.:			JP 1996-210294	19960808

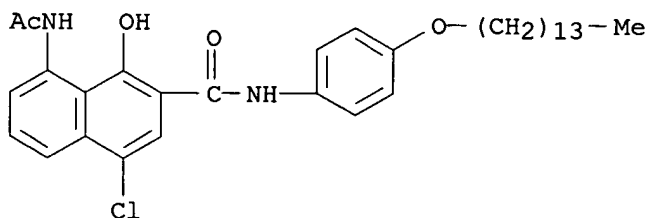
GI



- AB The material comprises a substrate and photog. layers which contain ≥ 1 hydrazine developing agent and ≥ 1 cyan coupler I (R41 = H, halo, R44, CONR44R45, SO2NR44R45, NHCOR44, NHCO2R44, NHCONR44R45, NHSO2R44, NHSO2R44R45; R42 = group for substituting naphthalene ring; l = 0-3; R43 = COR44, SO2R44, CONR44R45, SO2NR44R5, CO2R44; X = H, group to be released by reaction with a color developer oxidation product; R44, R45 = H, alkyl, aryl, heterocycle; R42 may form a ring; R42 and R43 may form a ring). The material is developed in a solution at 60-80°. The coupler provides enough hue and color formation and improved light stability.
- IT 204198-57-2 204198-59-4
RL: TEM (Technical or engineered material use); USES (Uses)
(cyan coupler for photog. emulsion developed by hydrazine)
- RN 204198-57-2 CAPLUS
- CN 2-Naphthalenecarboxamide, 4-chloro-N-[4-(dodecyloxy)phenyl]-1-hydroxy-8-[[(phenylamino)carbonyl]amino]- (CA INDEX NAME)



- RN 204198-59-4 CAPLUS
- CN 2-Naphthalenecarboxamide, 8-(acetylamino)-4-chloro-1-hydroxy-N-[4-(tetradecyloxy)phenyl]- (CA INDEX NAME)



TITLE: A silver halide photographic material for color filter and method for manufacturing color filter using the same

INVENTOR(S): Igarashi, Tatsuya; Mizukawa, Hiroki; Hirai, Hiroyuki

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 40 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 09080219	A	19970328	JP 1995-231599	19950908
PRIORITY APPLN. INFO.: GI			JP 1995-231599	19950908

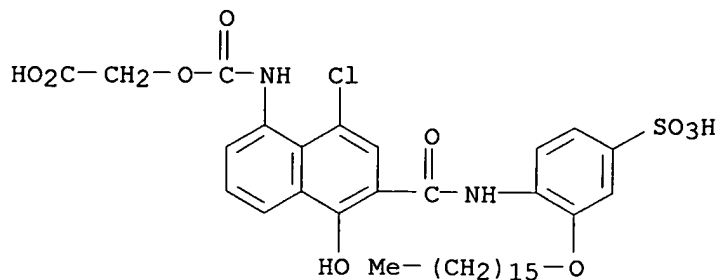
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB A silver halide color photog. material comprises 3 silver halide emulsion layers containing color couplers and having different color sensitivity which are coated on a support, wherein couplers are compds. having at least one group selected from CO₂H, SO₃H, OH, or its alkali metal salt. The couplers are represented by R₅₁COCH(Z₁)CONHR₅₂, R₅₂R₅₁NCOCH(Z₁)(CONH)bR₅₃, pyrazolone derivs. (I), pyrazolotetrazole derivs. (II; X = N and X₁ = CR₅₇; X = CR₅₇ and X₁ = N; or X = CR₅₇ and X₁ = CR₅₄), pyrazolobenzimidazole derivs. (III; R = NHCOR₅₈ or NHCONHR₆₀), 2-aminophenol derivs. (IV), 1-hydroxy-2-naphthalenecarboxamides (V), pyrrolotriazole derivs. (VI; X = N and X₁ = CR₅₇; or X = CR₅₇ and X₁ = N), or N-heterocycle-fused 2-aminophenol derivs. (VII) (wherein R₅₁ - R₆₄, Z, A = substituents; provided that at least one of R₅₁ - R₆₄, Z₁, and A coupler substituents are groups selected from CO₂H, SO₃H, OH, and its alkali metal salts; m, n, p, q = number of substituents). A color filter having blue, green, and red pixel patterns is manufactured by pattern-exposure of the above photog. material, color development, and desilverization. This photog. manufacturing is suitable for manufacturing a color filter having red, green, and blue color with excellent spectral transmission characteristic and excellent planarity and in particular for easily manufacturing a color filter having high d. black parts. A color filter is used, e.g. liquid crystal flat panel display.

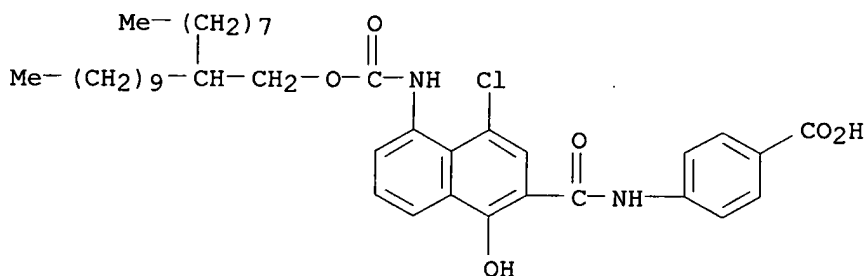
IT 189244-90-4 189244-91-5
RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)
(silver halide color photog. material for color filter and method for manufacturing color filter using it)

RN 189244-90-4 CAPLUS

CN Acetic acid, [[[[8-chloro-6-[[[2-(hexadecyloxy)-4-sulfohenyl]amino]carbonyl]-5-hydroxy-1-naphthalenyl]amino]carbonyl]oxy]-(9CI) (CA INDEX NAME)

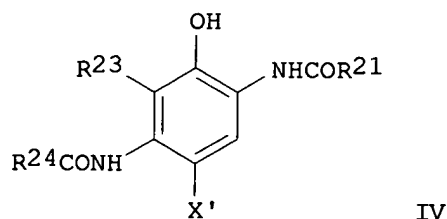
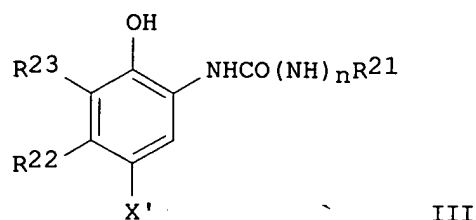
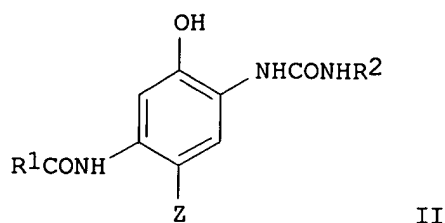
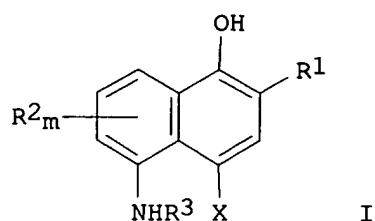


RN 189244-91-5 CAPLUS
 CN Benzoic acid, 4-[[[4-chloro-1-hydroxy-5-[[[(2-octyldodecyl)oxy]carbonyl]amino]-2-naphthalenyl]carbonyl]amino]- (CA INDEX NAME)



L8 ANSWER 8 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1997:220349 CAPLUS
 DOCUMENT NUMBER: 126:218459
 TITLE: Silver halide color photographic material with good color reproduction and imaging method using the same
 INVENTOR(S): Ito, Yasushi; Nakagawa, Hajime; Haijima, Akimitsu
 PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 96 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09015800	A	19970117	JP 1995-182223	19950627
PRIORITY APPLN. INFO.: GI			JP 1995-182223	19950627



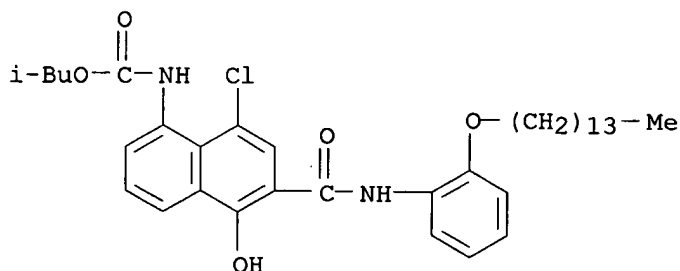
AB The title full color photog. material contains a cyan coupler I (R1 = CONR4R5, SO2NR4R5, NHCOR4, NHCOOR6, NHSO2R6, NHCONR4R5, NHSO2NR4R5; R2 = substituent; m = 0-3; R3 = substituent; X = group capable of leaving upon coupling reaction; R4, R5 = H, alkyl, aryl, heterocyclyl; R6 = alkyl, aryl, heterocyclyl), II (R1 = alkyl, aryl, heterocyclyl; R2 = aryl; Z = group leaving upon coupling reaction), III or IV (R21 = alkyl, aryl, heterocyclyl; R22 = C₂ alkyl; R23 = H, halo, alkyl, aryl, alkoxyl, aryloxy, carbonamido, ureide; R24 = alkyl, aryl, heterocyclyl, alkoxy, aryloxy, amino; X' = group capable of leaving upon coupling reaction; n = 0, 1) in a red-sensitive emulsion layer and satisfies specific color tone upon developments with two different development times. The material may include a magnetic recording layer on its backside. A photog. color developer may contain a specific compound(s). The material shows excellent tone and color reproduction

IT 187967-24-4

RL: MOA (Modifier or additive use); USES (Uses)
(photoq. cyan coupler)

RN 187967-24-4 CAPLUS

CN Carbamic acid, [8-chloro-5-hydroxy-6-[[[2-(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 9 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

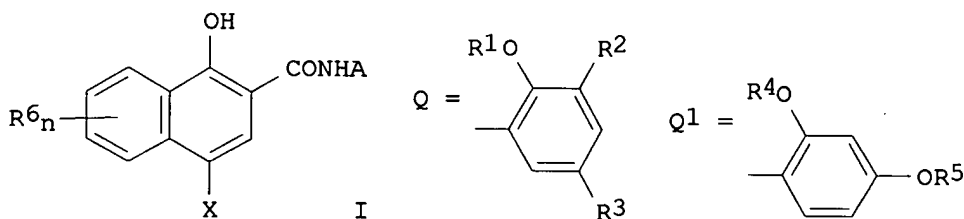
ACCESSION NUMBER: 1997:134206 CAPLUS

DOCUMENT NUMBER: 126:150456

TITLE: Photographic material containing naphthanilides as cyan couplers

INVENTOR(S): Kawagishi, Toshio
 PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 43 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08320541	A	19961203	JP 1995-154061	19950530
PRIORITY APPLN. INFO.: GI			JP 1995-63829	A 19950323

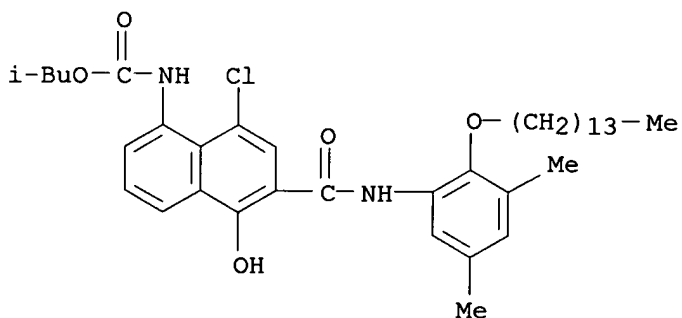


AB The photog. material contains naphthanilides I [A = Q (R¹ = alkyl, aryl; R²-3 = alkyl), Q¹ (R⁴-5 = alkyl, aryl); R₆ = substituent; n = 0-4; X = H, halo, group capable of being released upon a coupling reaction with the oxidized product of a developing agent]. The photog. material shows good color reproducibility and is stable against storage in a freezer.

IT 186545-42-6 186545-43-7 186545-44-8
 RL: DEV (Device component use); USES (Uses)
 (color photog. film containing hydroxynaphthanilides as cyan couplers)

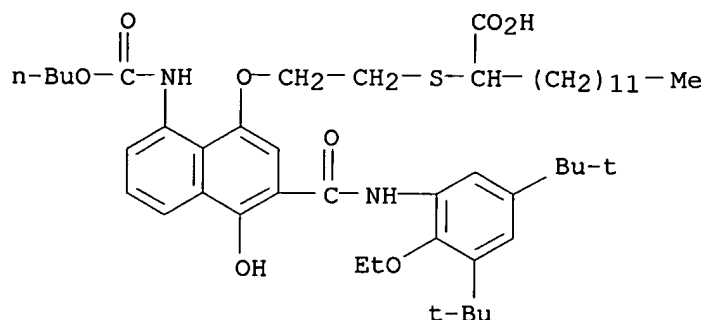
RN 186545-42-6 CAPLUS

CN Carbamic acid, [8-chloro-6-[[[3,5-dimethyl-2-(tetradecyloxy)phenyl]amino]carbonyl]-5-hydroxy-1-naphthalenyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



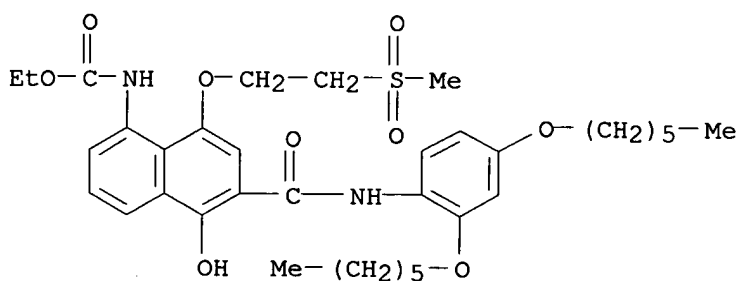
RN 186545-43-7 CAPLUS

CN Tetradecanoic acid, 2-[[2-[[[3-[[[3,5-bis(1,1-dimethylethyl)-2-ethoxyphenyl]amino]carbonyl]-8-[(butoxycarbonyl)amino]-4-hydroxy-1-naphthalenyl]oxy]ethyl]thio]- (CA INDEX NAME)



RN 186545-44-8 CAPLUS

CN Carbamic acid, [6-[[[2,4-bis(hexyloxy)phenyl]amino]carbonyl]-5-hydroxy-8-[2-(methanesulfonyl)ethoxy]-1-naphthalenyl]-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 10 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:905787 CAPLUS

DOCUMENT NUMBER: 124:71471

TITLE: Silver halide photographic materials containing azonaphthol dye-releasing agent

INVENTOR(S): Nakamura, Takemura; Tsukase, Masaaki

PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 53 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07219180	A	19950818	JP 1994-33244	19940207
PRIORITY APPLN. INFO.: GI			JP 1994-33244	19940207

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The material contains ≥ 1 image-forming compound (Dye-X)qY [Dye = dye(precursor) group I or II; X = bond, linkage; Y = groups giving difference in the diffusiveness of dye component corresponding to the reaction of Ag salt having latent images; R = CN, COOH, etc.; X1Y = H, CN, etc.; Q = heterocyclic residue; A = H, group giving OH in alkaline condition; Ar = aryl without nitro group, heteroaryl; q = 1, 2; n = 0-4; m = 0-3; r =

IT 172155-84-9
RL: DEV (Device component use); MOA (Modifier or additive use); USES
(Uses)
(photog. film containing azonaphthol compound as cyan dye-releasing agent)

RN 172155-84-9 CAPLUS

CN 2-Naphthalenecarboxamide, 8-(acetylamino)-5-[[[3-[[[3-[[5-(1,1-dimethylethyl)-2-[4-[(hexadecylmethylamino)sulfonyl]-2-nitrophenyl]-2,3-dihydro-3-oxo-4-isoxazolyl]methoxy]phenyl]amino)sulfonyl]phenyl]sulfonyl]amino]-N-ethyl-1-hydroxy-N-[4-[(methylsulfonyl)amino]phenyl]-4-[2-(methylsulfonyl)-4-oxazolo[4,5-b]pyridin-2-ylphenyl]azo]- (9CI) (CA INDEX NAME)

CS(=O)(=O)c1ccc(NC(=O)c2cc(OCc3ccccc3OS(=O)(=O)R)cc2)cc1[N+](=O)[O-]CC(=O)N1C=CC2=C(C=C1C(=O)N(C)Cc3ccc(NS(=O)(=O)C)cc3)C(=N2)C4=CC=C(C=C4)N=Nc5ccc(cc5C6=CC=C7C(=C6)OC7)c8ccccc8S(=O)(=O)C

L8 ANSWER 11 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:823536 CAPLUS
DOCUMENT NUMBER: 124:18287
TITLE: Silver halide color photographic materials
INVENTOR(S): Kimura, Kazuhiko; Hirabayashi, Shigeto
PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan.
SOURCE: Jpn. Kokai Tokkyo Koho, 37 pp.

DOCUMENT TYPE: CODEN: JKXXAF
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: 1 Japanese
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07152120	A	19950616	JP 1993-298362	19931129
PRIORITY APPLN. INFO.: GI			JP 1993-298362	19931129

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title materials comprise a support with a coating of a red-sensitive Ag halide emulsion layer containing a coupler I [R1 = CONR4R5, NHCOR4, NHCO2R6, NHSO2R6, NHCONR4R5, NHSO2NR4R5; R4, R5 = H, aromatic group, aliphatic group, heterocyclyl; R6 = aromatic group, aliphatic group, heterocyclyl; R2 = monovalent group; R3 = substituent; X = H, group releasing upon reaction with oxidized aromatic primary amine developing agents; m = 0-3, when m = 2 or 3 R3's may link to form a ring, R4 and R5, R2 and R3, and R2 and X may form a ring] and a compound A(TIME)nINHIBIT [A = coupler residue; TIME = timing group which links to the coupling group A and is cleaved from the coupler by reaction with oxidized color developing agents followed by subsequent cleavage to release INHIBIT finally and moderately; n = 0. 1; INHIBIT = group which becomes a development inhibitor by being released and is a triazole ring group II or III; R7 = alkylthio; R8 = H, alkyl, alkylthio, aryl, heterocycle, ≥1 of R7 and R8 contains an aqueous alkali-hydrolyzable group CO2R9, OCO2R9, or COCOR9 (R9 = alkyl, cycloalkyl, aryl) at an interval of 2-4 atoms from the triazole ring]. The materials show high sensitivity, good color reproducibility, and improved storage stability. Thus, a color photog. film was prepared by using 2 red-sensitive Ag(Br,I) emulsion layers containing I [R1 = CONH(CH2)3OC12H25, R2 = OCOBu-iso; R3 = X = H] and blue-sensitive layer containing IV.

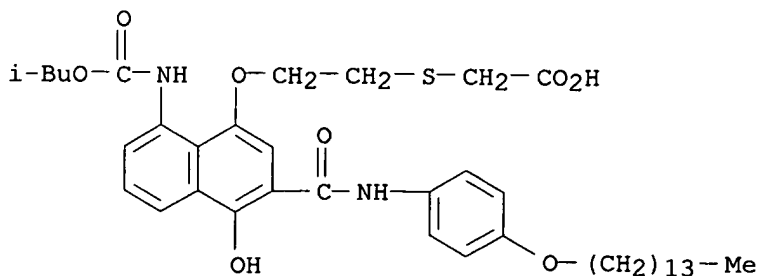
IT 109625-49-2

RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)

(photog. film containing development-inhibitor-releasing coupler and cyan coupler)

RN 109625-49-2 CAPLUS

CN Acetic acid, [[2-[[4-hydroxy-8-[[(2-methylpropoxy) carbonyl] amino]-3-[[[4-(tetradecyloxy)phenyl] amino] carbonyl]-1-naphthalenyl]oxy]ethyl]thio]- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1995:789360 CAPLUS
 DOCUMENT NUMBER: 123:183368
 TITLE: Silver halide color photographic material
 INVENTOR(S): Nakagawa, Hajime; Yamada, Kozaburo
 PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 66 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07140606	A	19950602	JP 1993-312791	19931119
PRIORITY APPLN. INFO.:			JP 1993-312791	19931119

AB A silver halide color photog. material having improved granularity, color reproducibility, sharpness, and processability comprises on a support blue-, green-, and red-sensitive silver halide emulsion layers containing a compound having the formula A(TIME)aDI (A = a group containing no diffusion-resistant group and capable of releasing (TIME)aDI upon reaction with an oxidized aromatic primary amine developer; TIME = a timing group capable of releasing DI after separating from A; DI = a development-inhibiting group becoming deactivated when it is released into a developer solution) and a yellow coupler having the formula ACOCH(Z)CONHB (A = an aromatic group, tert. alkyl, cycloalkyl, bicycloalkyl, amino, anilino, or heterocyclyl; B = an aromatic group or heterocyclyl; Z = H or a group releasable upon reaction with an oxidized aromatic primary amine developer with ≥ 1 of A and B containing the OP group).

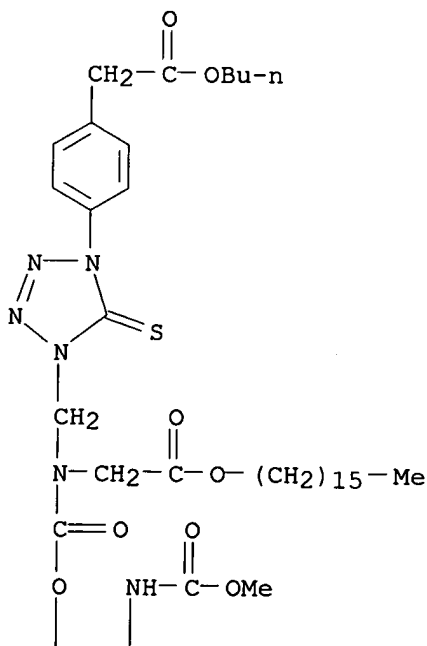
IT 163118-80-7

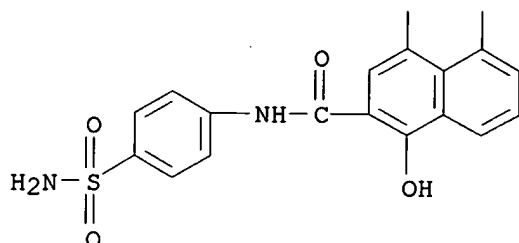
RL: TEM (Technical or engineered material use); USES (Uses)
 (development inhibitor-releasing photog. coupler)

RN 163118-80-7 CAPLUS

CN Benzeneacetic acid, 4-[4-[[[3-[[[4-(aminosulfonyl)phenyl]amino]carbonyl]-4-hydroxy-8-[(methoxycarbonyl)amino]-1-naphthalenyl]oxy]carbonyl][2-(hexadecyloxy)-2-oxoethyl]amino]methyl]-4,5-dihydro-5-thioxo-1H-tetrazol-1-yl]-, butyl ester (CA INDEX NAME)

PAGE 1-A





L8 ANSWER 13 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:557287 CAPLUS

DOCUMENT NUMBER: 122:302917

TITLE: Silver halide color photographic material with high sensitivity and excellent graininess and processing thereof

INVENTOR(S): Nakagawa, Hajime; Kawagishi, Toshio

PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 57 pp.

CODEN: JKXXAF

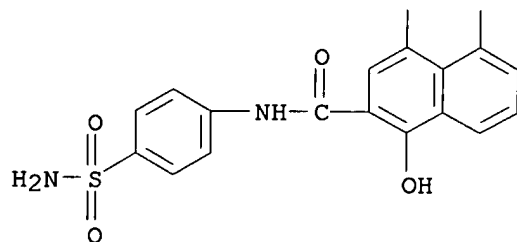
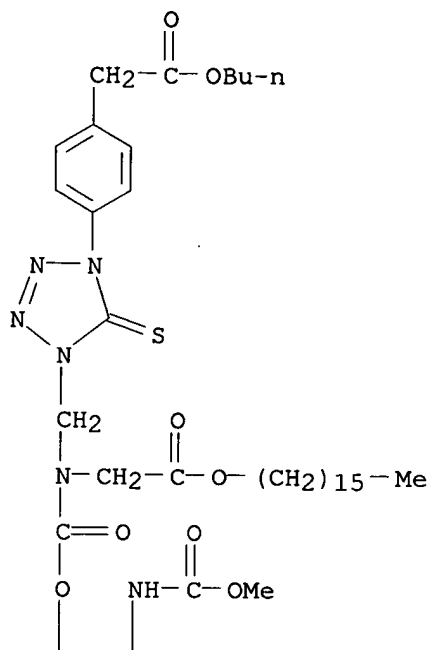
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

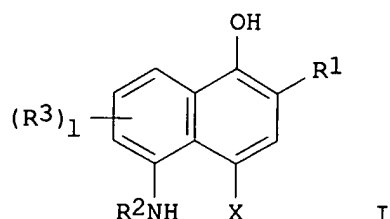
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 07036158	A	19950207	JP 1993-202100	19930723
PRIORITY APPLN. INFO.:				JP 1993-202100	19930723
AB	The title photog. material is characterized by ≥ 1 nonphotosensitive layer containing an diffusion-resistant compound, A-(TIME)a-DI (A = group releasing (TIME)a-DI upon reaction with oxidized aromatic primary amine developing agent; TIME = timing group; DI = development inhibitor which loses its activity after contacting with developer; a = 1, 2; when a = 2, TIME mus be same). The processing uses a color developing solution with a low replenishment.				
IT	163118-80-7				
	RL: NUU (Other use, unclassified); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)				
	(development-inhibitor-releasing photog. coupler)				
RN	163118-80-7 CAPLUS				
CN	Benzeneacetic acid, 4-[4-[[[3-[[[4-(aminosulfonyl)phenyl]amino]carbonyl]-4-hydroxy-8-[(methoxycarbonyl)amino]-1-naphthalenyl]oxy]carbonyl][2-(hexadecyloxy)-2-oxoethyl]amino]methyl]-4,5-dihydro-5-thioxo-1H-tetrazol-1-yl]-, butyl ester (CA INDEX NAME)				



L8 ANSWER 14 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:386133 CAPLUS
 DOCUMENT NUMBER: 122:147069
 TITLE: Silver halide color photographic film with superior
 pressure-resistance and little curling
 INVENTOR(S): Tachibana, Kimie; Masukawa, Toyoaki
 PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06250335	A	19940909	JP 1993-35522	19930224
PRIORITY APPLN. INFO.:			JP 1993-35522	19930224

GI

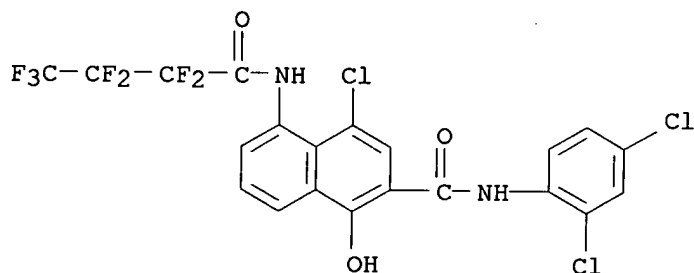


AB In the title full color photog. material, coupler I (R1 = CONR4R5, NHCOR4, NHCO2R6, NHSO2R6, NHCONR4R5, SO2NR4R5 (R4, R5 = H, aromatic, aliphatic or heterocyclic group; R6 = aromatic, aliphatic or heterocyclic group); R2 = H, substituent; R3 = substituent; X = H, group releasable on reaction with an oxidized aromatic primary amine developer; 1 = 0-3; when 1 = 2 or 3, multi R3 may be same or different; R4 with R5, R2 with R3 or X may joint to form a ring) is contained, and the transparent support is made of laminated polyester layers each with a different equilibrium moisture index.

IT 126935-40-8
 RL: DEV (Device component use); USES (Uses)
 (cyan coupler contained in color photog. film)

RN 126935-40-8 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-(2,4-dichlorophenyl)-5-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-1-hydroxy- (CA INDEX NAME)



L8 ANSWER 15 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:299784 CAPLUS

DOCUMENT NUMBER: 122:68184

TITLE: Method for processing color photographic material

INVENTOR(S): Hirabayashi, Shigeto

PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 40 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

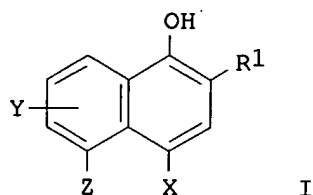
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06130592	A	19940513	JP 1992-283034	19921021
PRIORITY APPLN. INFO.:			JP 1992-283034	19921021

GI

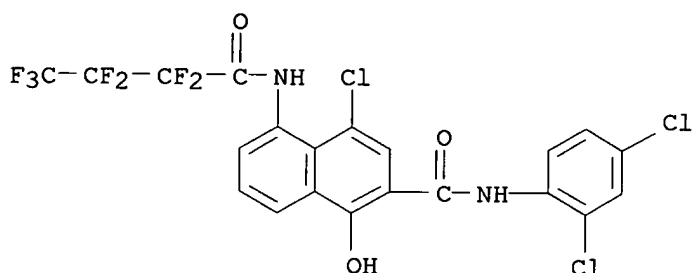


AB A full-color photog. material which contains a cyan coupler I ($Y = (R_3)_m$; $Z = (R_2NH)_l$; $R_1 = -CONR_4R_5$, $-NHCOR_4$, $NHCO_2R_6$, $NHSO_2R_6$, etc.; $R_2 = H$, substituent; $R_3 =$ substituent; $X = H$, group releasable on reaction with oxidized aromatic primary amine developing agent; $l = 0, 1$; $m = 0-3$; $R_{4,5} = H$, aromatic, aliphatic or heterocyclic group; $R_6 =$ aromatic, aliphatic or heterocyclic group; R_4 and R_5 , and R_2 and R_3 may form a ring with X) in ≥ 1 of its component layers is processed by a processing solution prepared by using a tablet-like processing agent. This processing method reduces fog level in the photog. images.

IT 126935-40-8
 RL: DEV (Device component use); USES (Uses)
 (cyan photog. coupler)

RN 126935-40-8 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-(2,4-dichlorophenyl)-5-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-1-hydroxy- (CA INDEX NAME)



L8 ANSWER 16 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:703034 CAPLUS

DOCUMENT NUMBER: 121:303034

TITLE: Azo pigments and their intermediates. A new class of couplers for red and near-IR sensitive photogenerating azo pigments

AUTHOR(S): Law, Kock-Yee; Tarnawskyj, Ihor W.

CORPORATE SOURCE: Xerox Webster Res. Cent., Webster, NY, 14580, USA

SOURCE: Dyes and Pigments (1994), 25(4), 281-93
 CODEN: DYPIDX; ISSN: 0143-7208

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The synthesis of azoic couplers, 2,8-dihydroxy-3-naphthanilide and its derivs., by first converting 2,8-dihydroxy-3-naphthoic acid into its phenol ester followed by condensing the Ph ester with an aniline derivative, is reported. Photogenerating disazo and trisazo pigments are prepared by coupling 2,8-dihydroxy-3-naphthanilides with 2,7-diaminofluorenone and tris(p-aminophenyl)amine, resp. The absorption spectra of these pigments are red-shifted relative to analogous pigments synthesized from 2-hydroxy-3-naphthanilide. The data suggest that 2,8-dihydroxy-3-naphthanilides are new coupler components for red and near-IR absorbing photogenerating azo pigments. Evidence is provided that the red shift is

a result of an intramol. H-bonding between the 8-OH group in the coupler moiety and the nitrogen atom in the hydrazone unit of the pigment. Comparison of the pigments synthesized in this work with those from 2-hydroxy-11H-benzo[a]carbazole-3-carboxanilides suggests that the wavelength extension achieved by carbazolyl couplers may also be a H-bonding effect, between the N-H group in the carbazole ring and the nitrogen in the hydrazone unit. The advantage of using the couplers described in this work for preparing red and near-IR absorbing photogenerating pigments is discussed.

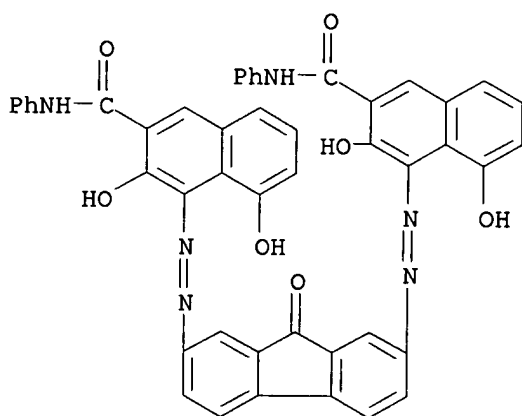
IT 156182-29-5P 159430-06-5P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation and properties of red and near-IR sensitive photogenerating azo pigments)

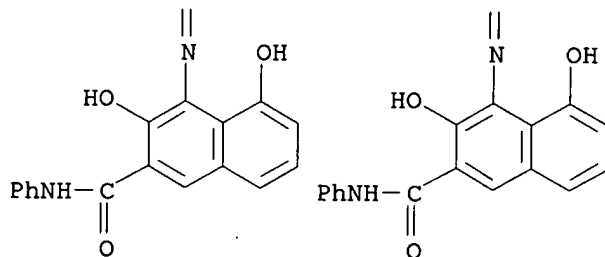
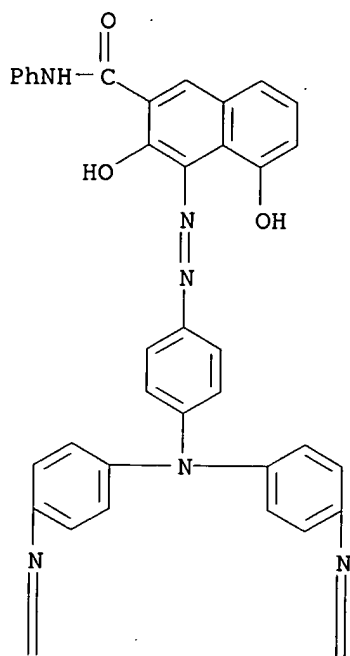
RN 156182-29-5 CAPLUS

CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(azo)]bis[3,5-dihydroxy-N-phenyl- (9CI) (CA INDEX NAME)



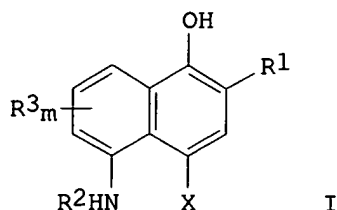
RN 159430-06-5 CAPLUS

CN 2-Naphthalenecarboxamide, 4,4',4''-[nitrilotris(4,1-phenyleneazo)]tris[3,5-dihydroxy-N-phenyl- (9CI) (CA INDEX NAME)



L8 ANSWER 17 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1994:521631 CAPLUS
 DOCUMENT NUMBER: 121:121631
 TITLE: Silver halide photographic material with good coloring property and storage stability
 INVENTOR(S): Oguri, Naoko
 PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06067379	A	19940311	JP 1992-224160	19920824
PRIORITY APPLN. INFO.: GI			JP 1992-224160	19920824

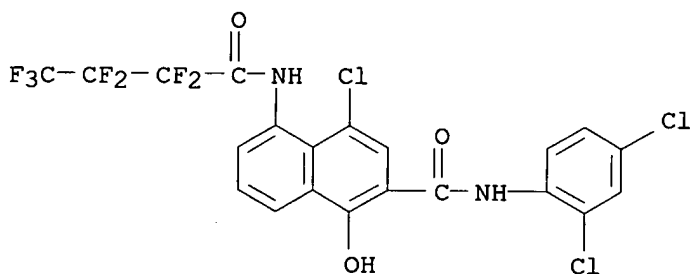


AB In the color photog. material comprising blue-sensitive, green-sensitive, and red-sensitive Ag halide emulsion layers, ≥ 1 layer of the red-sensitive layers contains ≥ 1 coupler I (R¹ = CONR⁴R⁵, NHCOR⁴, NHCOOR⁶, NHSO₂R⁶, NHCONR⁴R⁵, NHSO₂NR⁴R⁵; R² = monovalent group; R³ = substituent; X = H or groups formed in reaction with an oxidized aromatic primary amine developing agent, R³s may form a ring; m = 0-3; R⁴-5 = H, aromatic groups, aliphatic group, heterocycle; R⁶ = aromatic group, aliphatic group, heterocycle; R⁴ and R⁵, R² and R³, R² and X may form a ring), and ≥ 1 noncoloring compound CR¹¹R¹²R¹³(OH) (R¹¹ = alkyl, alkenyl, aryl; R¹²-13 = H, alkyl, alkenyl, aryl, sum of C nos. of R¹¹-13 ≥ 10). The material shows good coloring property, development, and storage stability.

IT 126935-40-8
RL: USES (Uses)
(cyan coupler, red-sensitive photog. emulsion containing)

RN 126935-40-8 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-(2,4-dichlorophenyl)-5-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-1-hydroxy- (CA INDEX NAME)



L8 ANSWER 18 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:485720 CAPLUS

DOCUMENT NUMBER: 121:85720

TITLE: Dihydroxynaphthanilide couplers for photogenerating pigments

INVENTOR(S): Law, Kock Yee; Tarnawskyj, Ihor W.

PATENT ASSIGNEE(S): Xerox Corp., USA

SOURCE: U.S., 13 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

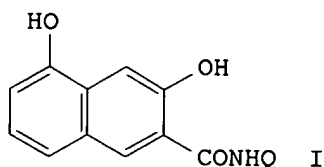
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5302753	A	19940412	US 1992-955192	19921001
PRIORITY APPLN. INFO.:			US 1992-955192	19921001
OTHER SOURCE(S):	MARPAT	121:85720		

GI



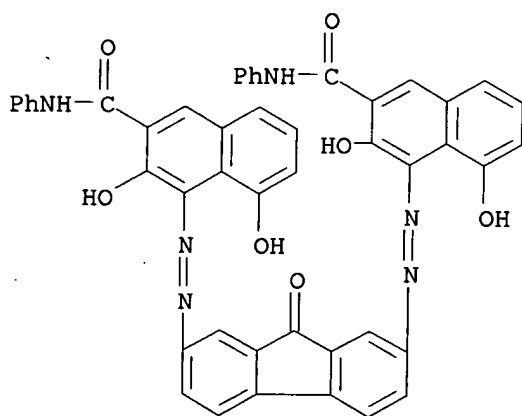
AB 3,5-Dihydroxy-2-naphthanilide and its analogs I (Q = aromatic group) are coupling components for the manufacture of red- and near-IR-sensitive photogenerating pigments for electrophotog. 3,5,2-(HO)₂ClO₂HCO₂H was esterified with PhOH and the ester amidated with QNH₂ to give I in ≥89% yield.

IT 156182-29-5P 156182-30-8P 156182-31-9P
156182-32-0P

RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of, as photogenerating pigment for electrophotog.)

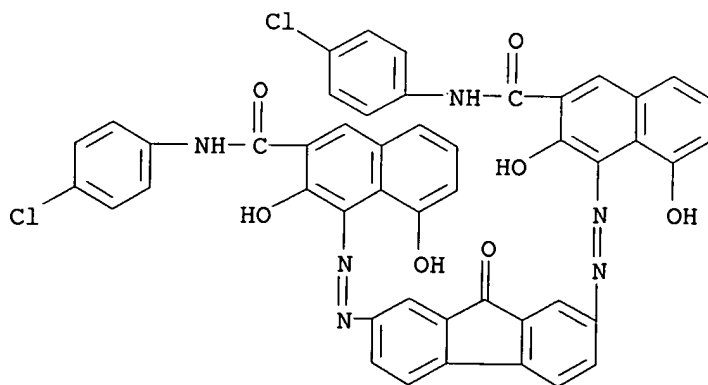
RN 156182-29-5 CAPLUS

CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(azo)]bis[3,5-dihydroxy-N-phenyl- (9CI) (CA INDEX NAME)



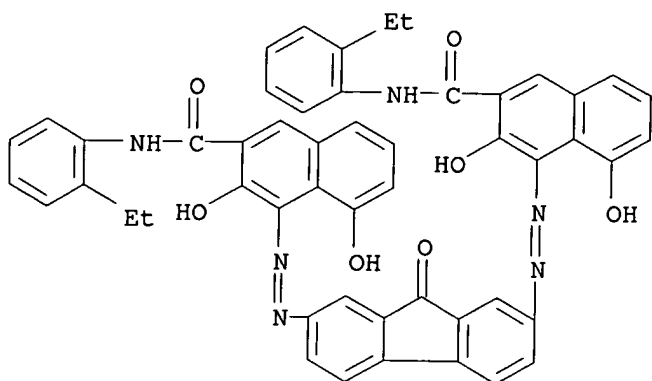
RN 156182-30-8 CAPLUS

CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(azo)]bis[N-(4-chlorophenyl)-3,5-dihydroxy- (9CI) (CA INDEX NAME)



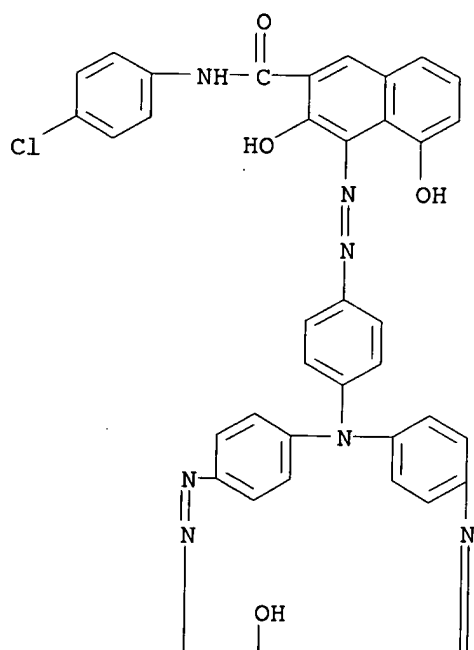
RN 156182-31-9 CAPLUS

CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(azo)]bis[N-(2-ethylphenyl)-3,5-dihydroxy- (9CI) (CA INDEX NAME)

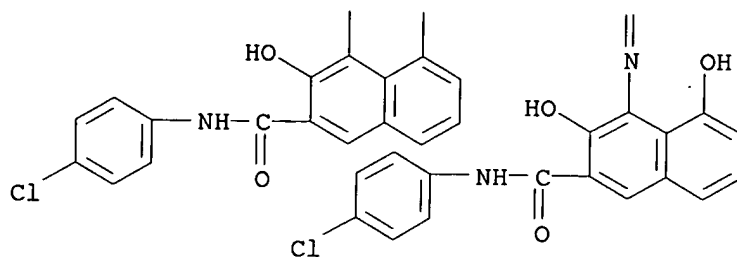


RN 156182-32-0 CAPLUS

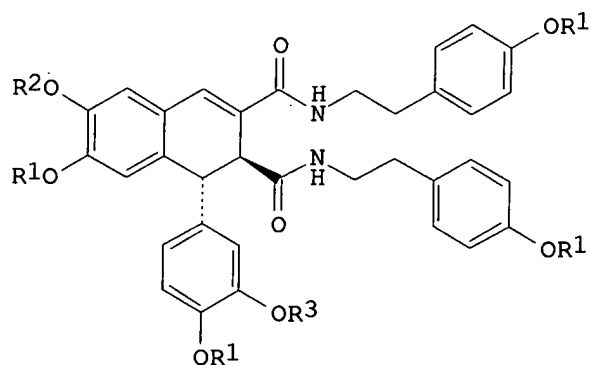
CN 2-Naphthalenecarboxamide, 4,4',4''-[nitrilotris(4,1-phenyleneazo)]tris[N-(4-chlorophenyl)-3,5-dihydroxy- (9CI) (CA INDEX NAME)



PAGE 1-A

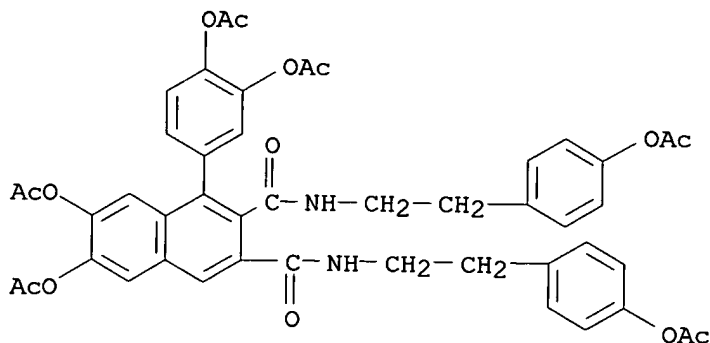


L8 ANSWER 19 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:630149 CAPLUS
 DOCUMENT NUMBER: 117:230149
 TITLE: Three phenyldihydronaphthalene lignanamides from
 fruits of *Cannabis sativa*
 AUTHOR(S): Sakakibara, Iwao; Ikeya, Yukinobu; Hayashi, Koji;
 Mitsunashi, Hiroshi
 CORPORATE SOURCE: Tsumura Res. Inst. Biol. Chem., Ami, 300-11, Japan
 SOURCE: Phytochemistry (1992), 31(9), 3219-23
 CODEN: PYTCAS; ISSN: 0031-9422
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



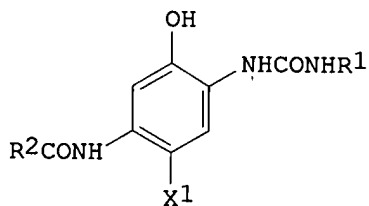
I, R¹=R²=R³=H
 II, R¹=R³=H, R²=Me
 III, R¹=H, R²=R³=Me

AB Three new lignanamides, named cannabisin B (I), C (II) and D (III), were
 isolated from the fruits of *C. sativa*. Their structures have been
 elucidated based on spectral and chemical evidence.
 IT 130508-47-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 130508-47-3 CAPLUS
 CN 2,3-Naphthalenedicarboxamide, 6,7-bis(acetyloxy)-N,N'-bis[2-[4-
 (acetyloxy)phenyl]ethyl]-1-[3,4-bis(acetyloxy)phenyl]- (9CI) (CA INDEX
 NAME)



L8 ANSWER 20 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:601815 CAPLUS
 DOCUMENT NUMBER: 117:201815
 TITLE: Silver halide photographic material
 INVENTOR(S): Yamazaki, Chikamasa; Nagaoka, Yoko; Kato, Tadashi;
 Hirabayashi, Shigeto
 PATENT ASSIGNEE(S): Konica Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 24 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04157461	A	19920529	JP 1990-282583	19901020
PRIORITY APPLN. INFO.: GI			JP 1990-282583	19901020



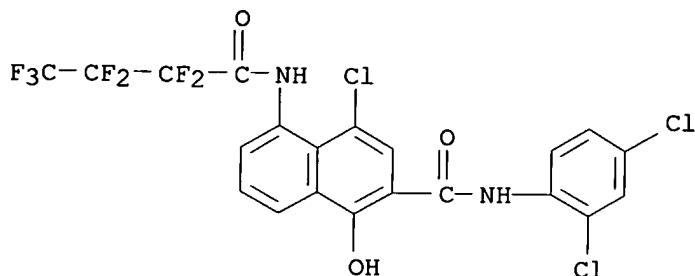
I

AB The title material comprising a support having thereon one or more Ag halide emulsion layers contains one or more phenol or naphthol cyan couplers having the formula I. For I, X1 = H or a group to be released upon coupling with an aromatic primary amine color developing agent; R1 = aryl or heterocyclyl; R2 = an aliphatic group or aryl. The title material also contains a compound represented by R1SNR2R3 (R1 = a N-containing heterocyclic group; R2, R3 = H, alkyl, aryl; or R2R3 may form a N-containing heterocyclic ring). The title material shows high sensitivity.

IT 126935-40-8
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. coupler)

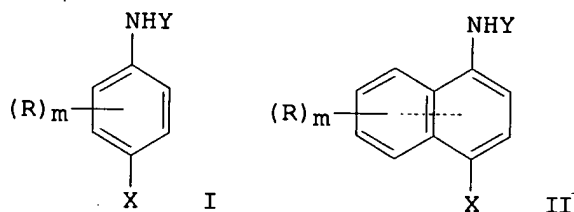
RN 126935-40-8 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-(2,4-dichlorophenyl)-5-
 [(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-1-hydroxy- (CA INDEX NAME)



L8 ANSWER 21 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:210723 CAPLUS
 DOCUMENT NUMBER: 116:210723
 TITLE: Spectrophotometric analysis using peroxidase as label
 INVENTOR(S): Kamiyama, Mikio; Kawakatsu, Satoru; Kita, Hiroshi;
 Kaneko, Yutaka
 PATENT ASSIGNEE(S): Konica Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03254699	A	19911113	JP 1990-51710	19900305
PRIORITY APPLN. INFO.:			JP 1990-51710	19900305
OTHER SOURCE(S):	MARPAT 116:210723			
GI				

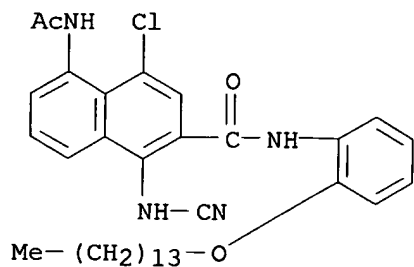


AB A sensitive spectrophotometric method using peroxidase as a label and a chromogenic reagent comprised of primary aromatic amines and I or II [R = substitutes; m = 0-4; Y = substitutes having $1.5 > \sigma_p$ (Hammett's constant) > 0.3 ; X = H, departing groups] are described. H₂O₂ from the peroxidase-catalyzed reaction oxidizes the primary aromatic amines and the oxidation products subsequently couple-react with I or II to generate dyes that are detectable in the 500.apprx.700 nM range. Determination of glucose using a chromogenic composition containing N,N-diEt-3-Me-4-aminoaniline and II (R = H; Y = CN; X = H) was shown. The sensitivity was significantly higher than that of prior art.

IT 130875-10-4 130875-11-5 130875-14-8
 140142-29-6
 RL: ANST (Analytical study)
 (substrate in peroxidase-mediated spectrophotometric anal.)

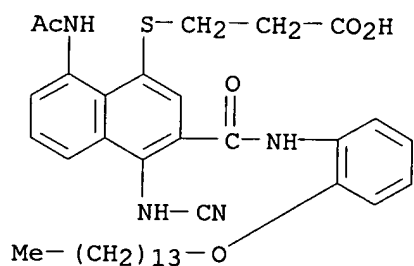
RN 130875-10-4 CAPLUS
 CN 2-Naphthalenecarboxamide, 5-(acetylamino)-4-chloro-1-(cyanoamino)-N-[2-

(tetradecyloxy)phenyl]- (CA INDEX NAME)



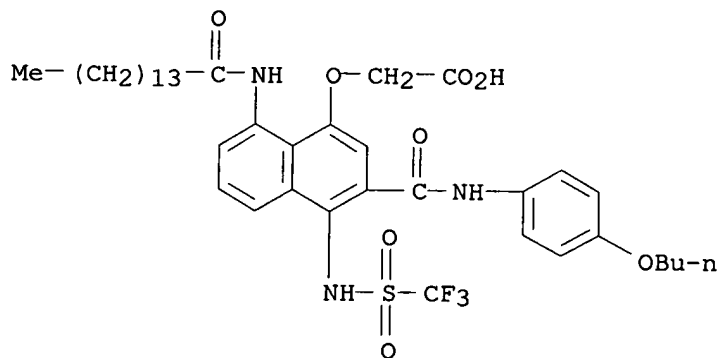
RN 130875-11-5 CAPLUS

CN Propanoic acid, 3-[[[8-(acetylamino)-4-(cyanoamino)-3-[[[2-(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]thio]- (CA INDEX NAME)



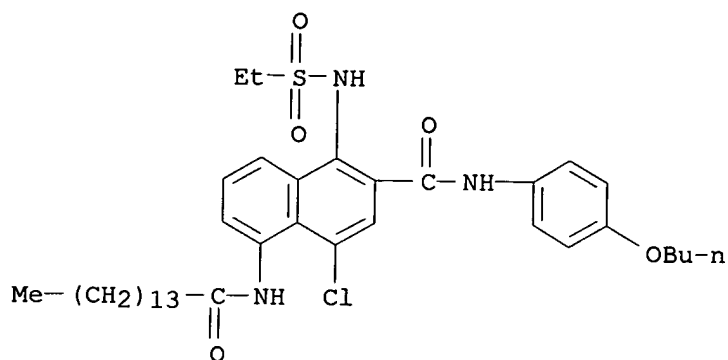
RN 130875-14-8 CAPLUS

CN Acetic acid, [[3-[[[4-butoxyphenyl]amino]carbonyl]-8-[(1-oxopentadecyl)amino]-4-[[[trifluoromethyl]sulfonyl]amino]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)



RN 140142-29-6 CAPLUS

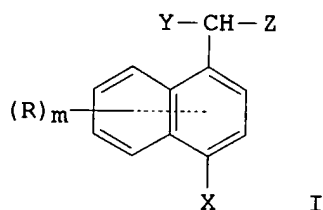
CN 2-Naphthalenecarboxamide, N-(4-butoxyphenyl)-4-chloro-1-[(ethylsulfonyl)amino]-5-[(1-oxopentadecyl)amino]- (CA INDEX NAME)



L8 ANSWER 22 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:210717 CAPLUS
 DOCUMENT NUMBER: 116:210717
 TITLE: Aromatic substrates for peroxidase in colorimetry
 INVENTOR(S): Kamiyama, Mikio; Kawakatsu, Satoru; Kita, Hiroshi;
 Kaneko, Yutaka
 PATENT ASSIGNEE(S): Konica Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03254697	A	19911113	JP 1990-51708	19900305
PRIORITY APPLN. INFO.:			JP 1990-51708	19900305
OTHER SOURCE(S):	MARPAT	116:210717		

GI

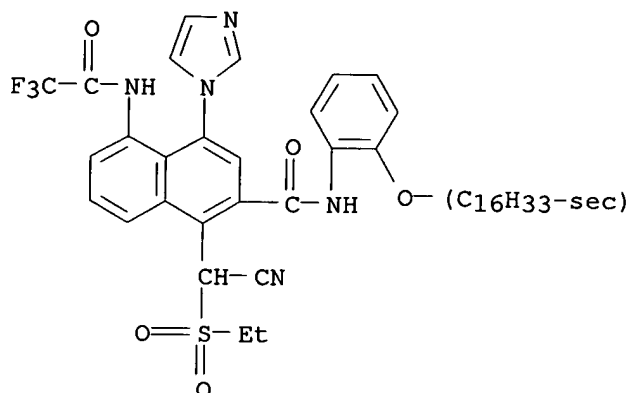


AB The substrates (I; R = substituent; m = 0-6; Y, Z = substituents having Hammett β substituent constant of 0.3-1.5; X = H or detaching group when react with an oxidized aromatic primary amine) are used for colorimetric determination of peroxidase, that is used as a label, in the presence of an oxidized aromatic primary amine and H₂O₂. Immunol. determination of goat IgG using peroxidase-labeled rabbit anti-goat antibody was shown. With substrates I, goat IgG 1 ng was readily detectable; with 4-chloro-1-naphthol as substrate (prior art), goat IgG 10 ng was not detectable.

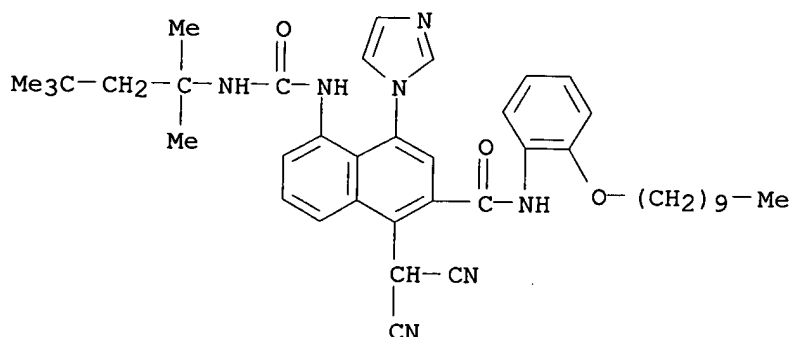
IT 140175-03-7 141137-66-8
 RL: ANST (Analytical study)
 (peroxidase substrate in colorimetric anal., in presence of hydrogen peroxide and aromatic primary amine)

RN 140175-03-7 CAPLUS
 CN 2-Naphthalenecarboxamide, 1-[cyano(ethylsulfonyl)methyl]-N-[2-(sec-

hexadecyloxy)phenyl]-4-(1H-imidazol-1-yl)-5-[(trifluoroacetyl)amino]-
(9CI) (CA INDEX NAME)



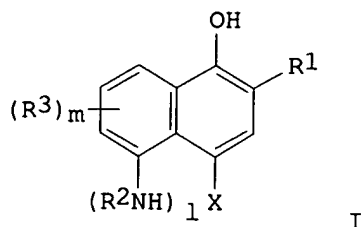
RN 141137-66-8 CAPLUS
CN 2-Naphthalenecarboxamide, N-[2-(decyloxy)phenyl]-1-(dicyanomethyl)-4-(1H-imidazol-1-yl)-5-[[[(1,1,3,3-tetramethylbutyl)amino]carbonyl]amino]- (CA INDEX NAME)



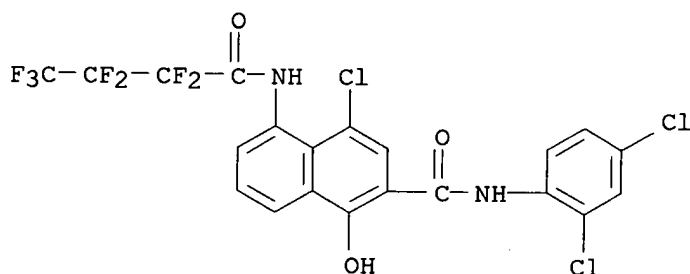
L8 ANSWER 23 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:184485 CAPLUS
DOCUMENT NUMBER: 116:184485
TITLE: Silver halide color photographic material containing aminonaphthol derivative cyan coupler
INVENTOR(S): Hirabayashi, Shigeto; Nagaoka, Yoko
PATENT ASSIGNEE(S): Konica Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03168742	A	19910722	JP 1989-309576	19891129
PRIORITY APPLN. INFO.:			JP 1989-309576	19891129

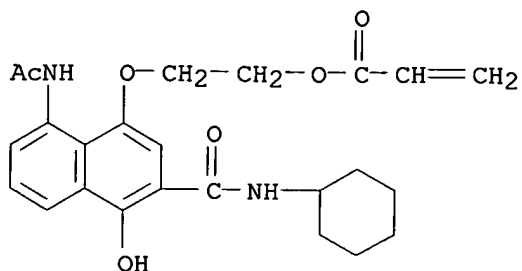
GI



- AB In a Ag halide color photog. material having on a support photog. constituent layers consisting of blue-, green-, and red-sensitive Ag halide emulsion layers and at least one nonphotosensitive hydrophilic colloid layer, the red-sensitive Ag halide emulsion layer contains a cyan coupler (I: R1 = CONR4R5, NHCOR4, NHCO2R6, NHSO2R6, NHCONR4R5, NHSO2NR4R5; R2 = a monovalent radical; R3 = a substituent; X = H, a group leaving upon reaction with an oxidized aromatic amine developing agent; l = 0, 1; m = 0-3; R4, R5 = H, an aromatic, aliphatic, or heterocyclic group; R6 = a group listed in R4, R5 except H; when m = 2, 3, R3 = same or different or bonded together to form a ring; or R4R5, R2R3, R2X forming a ring; when l = 0, then m = 0, R1 = CONHR7, and R7 = an aromatic group). The photog. material provides good desilverization in rapid processing and has high sensitivity with excellent storage stability.
- IT 126935-40-8 129744-96-3
 RL: TEM (Technical or engineered material use); USES (Uses)
 (cyan photog. coupler)
- RN 126935-40-8 CAPLUS
- CN 2-Naphthalenecarboxamide, 4-chloro-N-(2,4-dichlorophenyl)-5-
 [(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-1-hydroxy- (CA INDEX NAME)

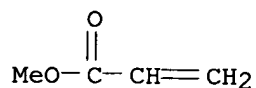


- RN 129744-96-3 CAPLUS
- CN 2-Propenoic acid, 2-methyl-, polymer with 2-[[8-(acetylamino)-3-
 [(cyclohexylamino)carbonyl]-4-hydroxy-1-naphthalenyl]oxy]ethyl
 2-propenoate and methyl 2-propenoate (9CI) (CA INDEX NAME)
- CM 1
- CRN 129744-95-2
- CMF C24 H28 N2 O6



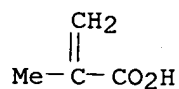
CM 2

CRN 96-33-3
CMF C4 H6 O2



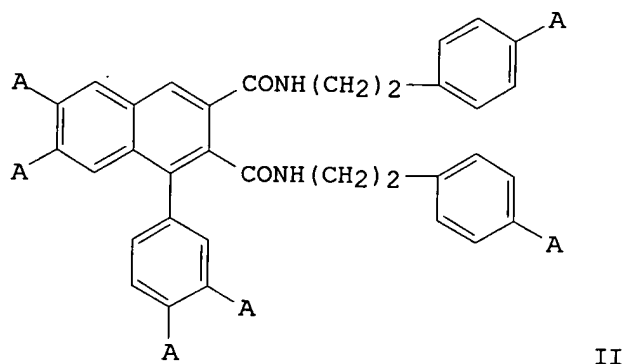
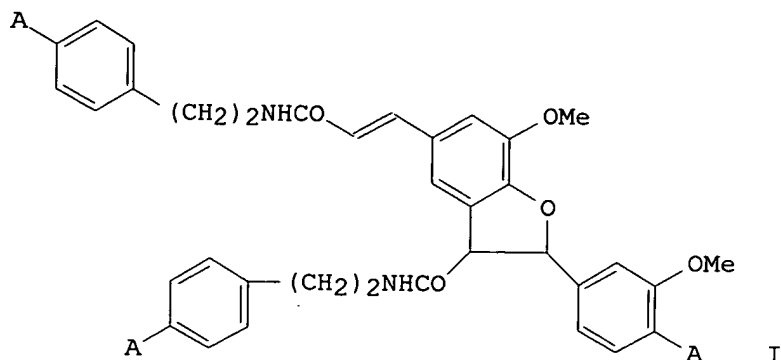
CM 3

CRN 79-41-4
CMF C4 H6 O2



L8 ANSWER 24 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1992:67190 CAPLUS
 DOCUMENT NUMBER: 116:67190
 TITLE: Allergy inhibitors containing lignans
 INVENTOR(S): Sakakibara, Iwao; Yanagisawa, Toshihiko; Abe, Tomoko; Mihashi, Hiroshi
 PATENT ASSIGNEE(S): Tsumura and Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03153625	A	19910701	JP 1989-292463	19891113
PRIORITY APPLN. INFO.: GI			JP 1989-292463	19891113



AB Allergy inhibitors contain lignans I or II (A = OH, OAc) as active ingredients. Dried seeds (10 kg) of *Cannabis sativa* were extracted with 1:1 H₂O-EtOH mixture, evaporated, mixed with H₂O, extracted with CHCl₃, the residual aqueous phase was extracted with BuOH, and the BuOH extract was chromatographed to prepare 460 mg I (A = OH) (grossamide) (III). III at 10 μM showed 44.4% inhibition against 5-lipoxygenase. Corn starch 44, crystalline cellulose 40, Ca CMC 5, light SiO₂ 0.5, Mg stearate 0.5, and III 10 g were mixed and formed into tablets.

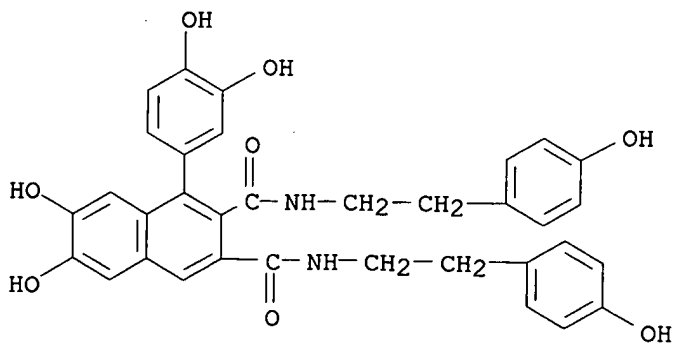
IT 130508-46-2

RL: BIOL (Biological study)

(as allergy inhibitor, extracted from *Cannabis sativa*)

RN 130508-46-2 CAPLUS

CN 2,3-Naphthalenedicarboxamide, 1-(3,4-dihydroxyphenyl)-6,7-dihydroxy-N,N'-bis[2-(4-hydroxyphenyl)ethyl]- (9CI) (CA INDEX NAME)



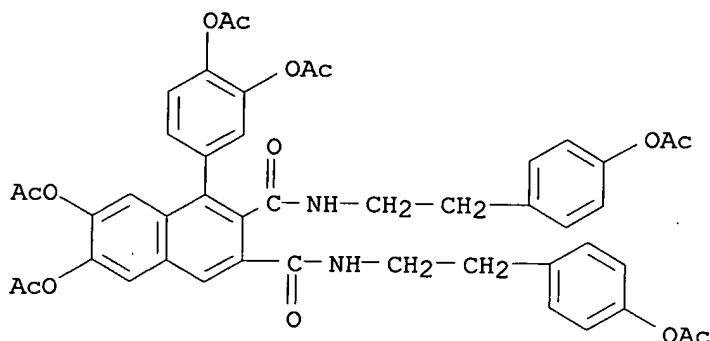
IT 130508-47-3P

RL: PREP (Preparation)

(preparation of, as allergy inhibitor)

RN 130508-47-3 CAPLUS

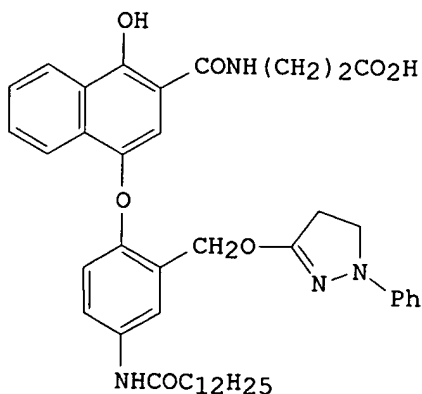
CN 2,3-Naphthalenedicarboxamide, 6,7-bis(acetyloxy)-N,N'-bis[2-[4-(acetyloxy)phenyl]ethyl]-1-[3,4-bis(acetyloxy)phenyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 25 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:13246 CAPLUS
DOCUMENT NUMBER: 116:13246
TITLE: Silver halide color photographic materials
INVENTOR(S): Oya, Hidenobu; Kida, Shuji; Sugita, Shuichi
PATENT ASSIGNEE(S): Konica Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03167550	A	19910719	JP 1989-308279	19891127
JP 2829875	B2	19981202		
PRIORITY APPLN. INFO.:			JP 1989-308279	19891127

GI



I

AB The title materials contain couplers CpJ1aT1bJ2cT2dJ3eA [Cp = residue obtained by removing H from coupler that forms dyes eluted during the processing; T1-2 = timing group for controlling the interval of scissions;

J1-2 = oxycarbonyl, oxymethylene with O atom bonded to Cp group; A = residue of derivs. of 1-phenyl-3-pyrazolidone; a, b, c, d, e = 0, 1; 1 of the groups except Cp contains ballast group when b + d > 0]. These nondiffusing couplers liberating 1-phenyl-3-pyrazolidones provide good coloration, fine graininess, and image without impure colors. Thus, an emulsion containing 10.7 g coupler α -pivaloyl- α -(2,5-dioxo-3,4-diphenylimidazolidin-1-yl)-2-chloro-5-[γ -(2,4-di-tert-amylphenoxy)butylamido]acetanilide and coupler I (20 mol% of a known coupler) was added to 1 Kg blue-sensitive Ag(I,Br) emulsion, mixed with hardening agent, and applied on cellulose acetate film. Exposure and processing of this film gave an image with relative sensitivity 125, fog 0.27, γ -value 1.31, and maximum d. 2.14, vs. 100, 0.25, 1.14 and 1.85, resp., for a reference film not containing I.

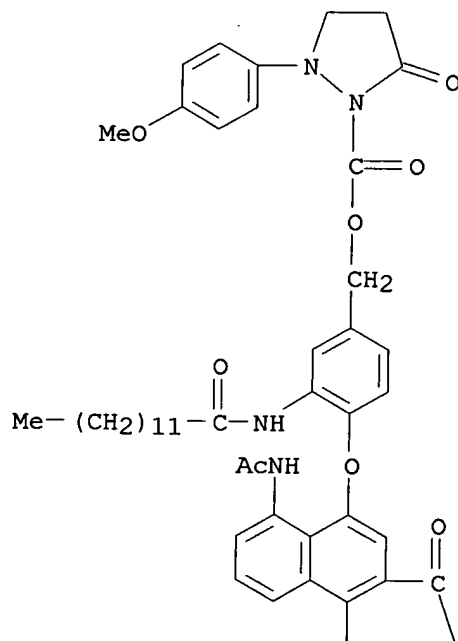
IT 137994-65-1

RL: TEM (Technical or engineered material use); USES (Uses)
(photog. coupler, phenylpyrazolidone derivative-releasing)

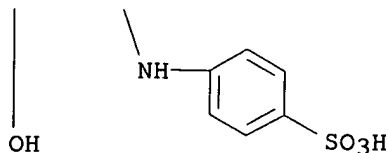
RN 137994-65-1 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(4-methoxyphenyl)-5-oxo-,
[4-[[8-(acetylamino)-4-hydroxy-3-[[4-sulfophenyl]amino]carbonyl]-1-naphthalenyl]oxy]-3-[(1-oxotridecyl)amino]phenyl]methyl ester (CA INDEX NAME)

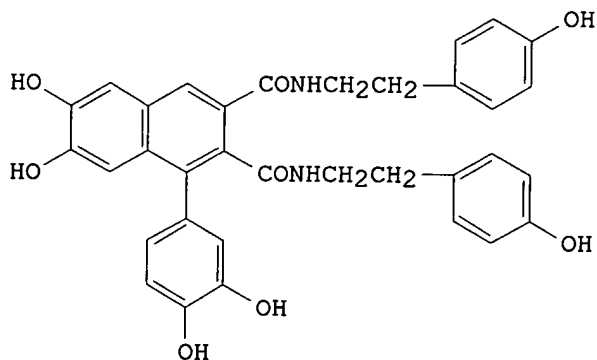
PAGE 1-A



PAGE 2-A



DOCUMENT NUMBER: 115:252120
 TITLE: Cannabisin A, an aryl-naphthalene lignanamide from
 fruits of Cannabis sativa
 AUTHOR(S): Sakakibara, Iwao; Katsuhara, Takao; Ikeya, Yukinobu;
 Hayashi, Koji; Mitsuhashi, Hiroshi
 CORPORATE SOURCE: Tsumura Res. Inst. Biol. Chem., Ami, 300-11, Japan
 SOURCE: Phytochemistry (1991), 30(9), 3013-16
 CODEN: PYTCAS; ISSN: 0031-9422
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB A new lignanamide, named cannabisin A (I), a known lignanamide, grossamide, and three known amides, N-trans-caffeoyltyramine, N-trans-feruloyltyramine, N-p-coumaroyltyramine, were isolated from the fruits of C. sativa. The structure of cannabisin A has been established on the basis of chemical and spectral evidence.

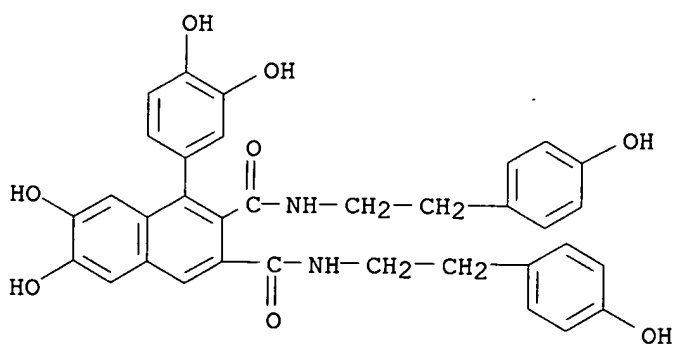
IT 130508-46-2, Cannabisin A

RL: PROC (Process)

(from Cannabis sativa, mol. structure determination of)

RN 130508-46-2 CAPLUS

CN 2,3-Naphthalenedicarboxamide, 1-(3,4-dihydroxyphenyl)-6,7-dihydroxy-N,N'-bis[2-(4-hydroxyphenyl)ethyl]- (9CI) (CA INDEX NAME)



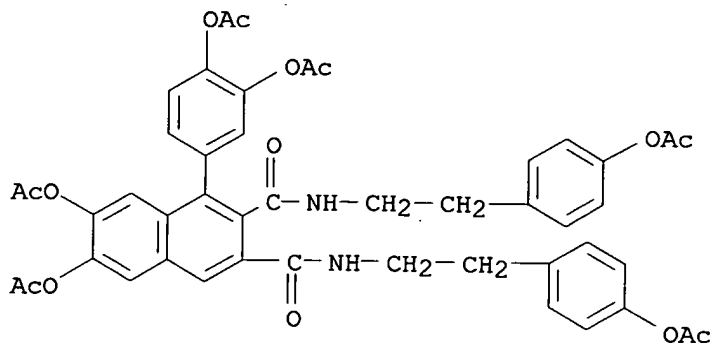
IT 130508-47-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 130508-47-3 CAPLUS

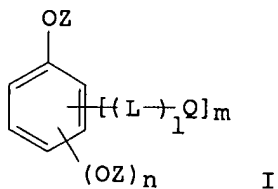
CN 2,3-Naphthalenedicarboxamide, 6,7-bis(acetyloxy)-N,N'-bis[2-(4-

(acetyloxy)phenyl]ethyl]-1-[3,4-bis(acetyloxy)phenyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 27 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1991:33029 CAPLUS
 DOCUMENT NUMBER: 114:33029
 TITLE: Silver halide color photographic material with suppressed color-staining and color-fogging
 INVENTOR(S): Nakamura, Yoshisada; Ono, Shigetoshi
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02115839	A	19900427	JP 1988-268079	19881026
PRIORITY APPLN. INFO.: GI			JP 1988-268079	19881026



AB The title photog. material contains a polymer obtained by the co-condensation of ≥ 1 I [L = divalent linking group; G = group cycling with the oxidized developing agent; Z = H, group material by alkali; l = 1, 2; m = 1, 2; n = 1-4; m + n ≤ 5] with ≥ 1 R2CO [R = H, CO2H, formyl, alkyl, aralkyl, aryl, heterocyclyl, aryl, sulfonamido], in the presence of an acidic or base catalyst. Color mixing is suppressed by the above polymer.

IT 131075-41-7
 RL: USES (Uses)
 (photog. color mixing inhibitor, color paper using)

RN 131075-41-7 CAPLUS

CN Carbamic acid, [5-hydroxy-6-[[[4-[(methylsulfonyl)amino]phenyl]amino]carbonyl]-8-[4-[(3,4,5-trihydroxybenzoyl)amino]phenoxy]-1-naphthalenyl]-,

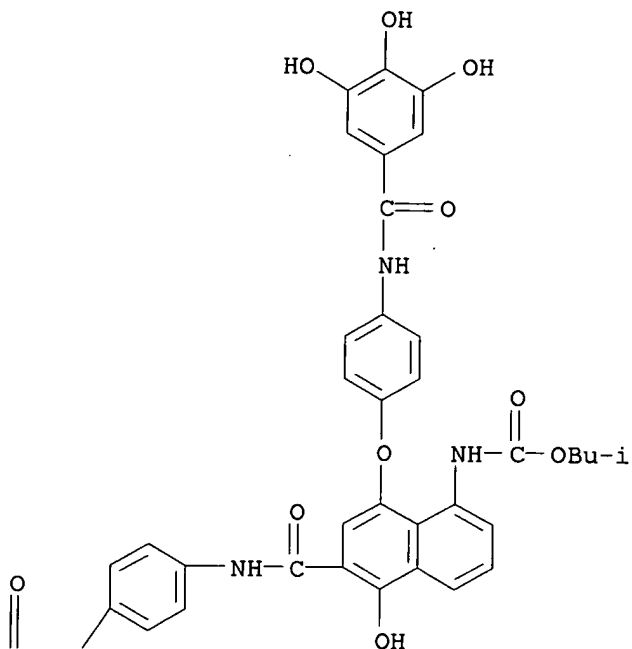
2-methylpropyl ester, polymer with 2-propanone (9CI) (CA INDEX NAME)

CM 1

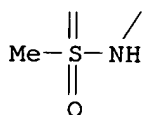
CRN 131075-40-6

CMF C36 H34 N4 O11 S

PAGE 1-A



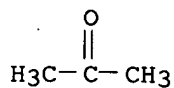
PAGE 2-A



CM 2

CRN 67-64-1

CMF C3 H6 O

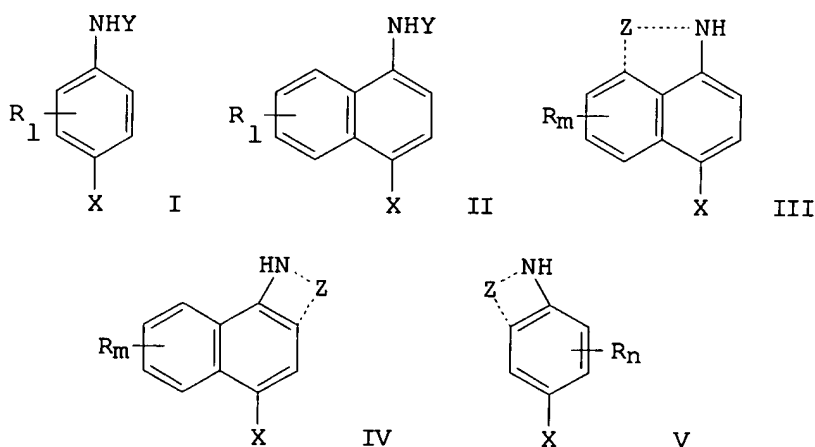


L8 ANSWER 28 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:641429 CAPLUS
DOCUMENT NUMBER: 113:241429
TITLE: Cyan photographic coupler
INVENTOR(S): Kita, Hiroshi; Kida, Shuji; Kaneko, Yutaka
PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Eur. Pat. Appl., 35 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 386931	A1	19900912	EP 1990-302133	19900228
R: DE, GB				
JP 02232650	A	19900914	JP 1989-52267	19890304
JP 02277049	A	19901113	JP 1989-97456	19890419
US 5223386	A	19930629	US 1991-753438	19910830
PRIORITY APPLN. INFO.:			JP 1989-52267	A 19890304
			JP 1989-97456	A 19890419
			US 1990-484710	B2 19900226

OTHER SOURCE(S): MARPAT 113:241429
 GI

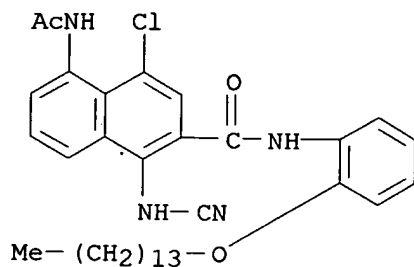


AB A cyan photog. coupler producing cyan dye images having excellent fastness against heat, moisture, and light is an aromatic compound represented by the general formula I, II, III, IV, or V (R = an organic group preferably alkyl, aryl, carboxyl, oxycarboxyl, CN, OH alkoxy, aryloxy, amino, amido, halogen, or sulfonamido; Y = an organic group having a Hammett's substituent constant σ of 0.3-1.5 preferably CN, NO₂, SO₂, β -carboxyvinyl, sulfinyl, β , β -dicyanovinyl, halogenated alkyl, formyl, carboxyl, CO, alkoxy carbonyl, aryloxy carbonyl, 1-tetrazolyl, 5-chlorotetrazolyl, carbamoyl, or sulfamoyl; Z = a group of atoms necessary to form a 5-7-membered N-containing heterocyclic ring; X = H or a group capable of splitting off upon reacting with an oxidized photog. developing agent; l = 0-4; m = 0-5; n = 0-3).

IT 130875-10-4 130875-11-5 130875-14-8
 RL: TEM (Technical or engineered material use); USES (Uses)
 (cyan photog. coupler)

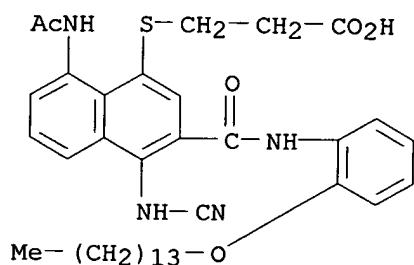
RN 130875-10-4 CAPLUS

CN 2-Naphthalenecarboxamide, 5-(acetylamino)-4-chloro-1-(cyanoamino)-N-[2-(tetradecyloxy)phenyl]- (CA INDEX NAME)



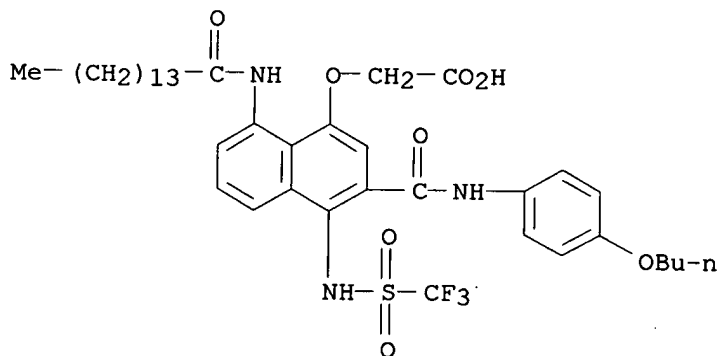
RN 130875-11-5 CAPLUS

CN Propanoic acid, 3-[[[8-(acetylamino)-4-(cyanoamino)-3-[[[2-(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]thio]- (CA INDEX NAME)



RN 130875-14-8 CAPLUS

CN Acetic acid, [[3-[[[4-butoxyphenyl]amino]carbonyl]-8-[(1-oxopentadecyl)amino]-4-[[[trifluoromethyl]sulfonyl]amino]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)



L8 ANSWER 29 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:618225 CAPLUS

DOCUMENT NUMBER: 113:218225

TITLE: Isolation of lignans or phenylpropanes from Cannabis sativa L. and pharmaceutical compositions containing them as protease inhibitors

INVENTOR(S): Sakakibara, Iwao; Iketani, Yukinobu; Sato, Shunji; Mihashi, Hiroshi

PATENT ASSIGNEE(S): Tsumura and Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02149545	A	19900608	JP 1988-300982	19881130
PRIORITY APPLN. INFO.:			JP 1988-300982	19881130
OTHER SOURCE(S):	MARPAT	113:218225		
GI				

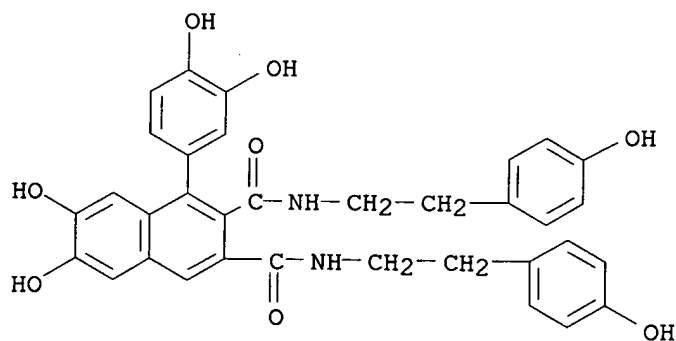
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Lignans or phenylpropanes (I; R = R1 = CONHQ; A = R5 = H, Ac), I (R = CO2Me, R1 = H, A = Me), II (R2 = Q, R5 = B = A, Ac), III (R3 = NHQ; when C1 = C2 = HO, MeO, or H, R5 = H or C1 = C2 = OR5 = AcO, MeO), and IV (R4 = QNH; D = OR5 = OH, OAc), useful for treatment of acute pancreatitis (no data), are isolated from Cannabis sativa L. I (R = R1 = CONHQ, A = R5 = H) (V) in vitro showed IC50 of 2.7×10^{-5} and 3.6×10^{-4} against plasmin and trypsin, resp., and 44.8% inhibition of thrombin at 1 mM. Acetylation of V gave a less active acetate I (R = R1 = CONHQ, A = R5 = Ac). A total of 12 ligands including grossamide and N-p-coumaroyltyramine were isolated or prepared by chemical modifications and tested against the above enzymes. Tablets containing V and others were prepared

IT 130508-46-2
RL: PROC (Process)
(isolation of, from Cannabis sativa L., as protease inhibitor)

RN 130508-46-2 CAPLUS

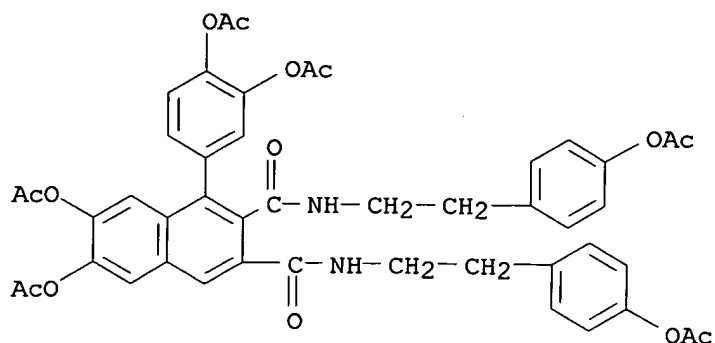
CN 2,3-Naphthalenedicarboxamide, 1-(3,4-dihydroxyphenyl)-6,7-dihydroxy-N,N'-bis[2-(4-hydroxyphenyl)ethyl]- (9CI) (CA INDEX NAME)



IT 130508-47-3P
RL: PREP (Preparation)
(preparation of, as protease inhibitor)

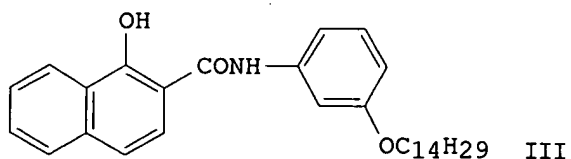
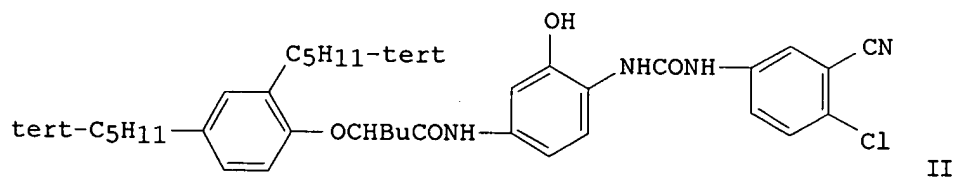
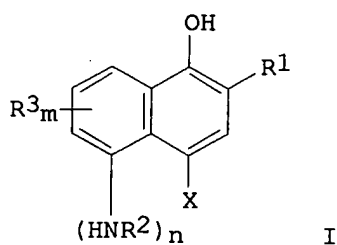
RN 130508-47-3 CAPLUS

CN 2,3-Naphthalenedicarboxamide, 6,7-bis(acetyloxy)-N,N'-bis[2-[4-(acetyloxy)phenyl]ethyl]-1-[3,4-bis(acetyloxy)phenyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 30 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1990:581318 CAPLUS
 DOCUMENT NUMBER: 113:181318
 TITLE: Silver halide color photographic materials
 INVENTOR(S): Asano, Satomi; Oya, Yukio; Matsuzaka, Masashi;
 Hirabayashi, Shigeto; Otani, Hiroshi
 PATENT ASSIGNEE(S): Konica Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02118637	A	19900502	JP 1988-273894	19881028
PRIORITY APPLN. INFO.: GI			JP 1988-273894	19881028



AB In the title materials having blue-, green- and red-sensitive layers, ≥ 1 of these layers consists of single layer, and ≥ 1 of the layers contains the cyan coupler I (R1 = CONR4R5, NHCOR4, NHCO2R6, NHSO2R6, NHCONR4R5, NHSONR4R5; R2 = monovalent group; R3 = substituent; X = H, leaving group; n = 0, 1; m = 0-3; R4-5 = H, aliphatic, aromatic or heterocyclic group; R6 = aromatic, aliphatic, heterocyclic group; when m = 2 or 3, R3 groups may jointly form rings; R4/R5, R2/R3, R2/X may jointly form rings; when n = 0, m = 0 and R1 = CONHR7; R7 = aromatic group). These materials provide good coloration of cyan image by high color recovery, efficient removal of Ag, and good workability by stability of processing. Thus, a reference color film having 2 each red-, green-, and blue-sensitive layers with different emulsions was prepared. Among these layers, the lower blue-sensitive layer contained particles with average diameter 0.4 μm , and the upper layer, particles with average diameter 0.7 μm , and the 2 red-sensitive layers both contained conventional cyan coupler II. In an invention film prepared, the upper blue-sensitive layer was not coated, and the lower one contained 1:1 mixture of emulsions with particles of 0.4- and 0.7- μm diameter, and the cyan coupler in lower red-sensitive layer was substituted by invention coupler III. Exposure and development of the invention film showed, in comparison with the reference film, higher recovery of cyan color and smaller difference of γ value by using developer of pH 10.2 and 9.8.

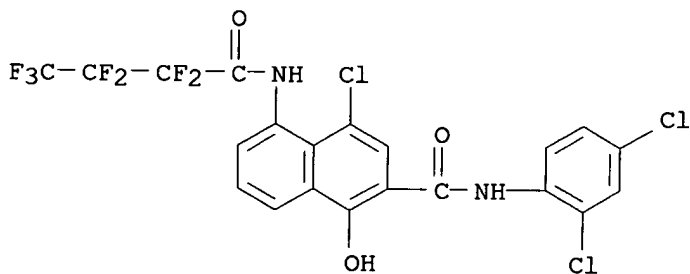
IT 126935-40-8P 129744-96-3P

RL: PREP (Preparation)

(cyan coupler, photog. films containing, for high color recovery and stability in processing)

RN 126935-40-8 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-(2,4-dichlorophenyl)-5-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-1-hydroxy- (CA INDEX NAME)



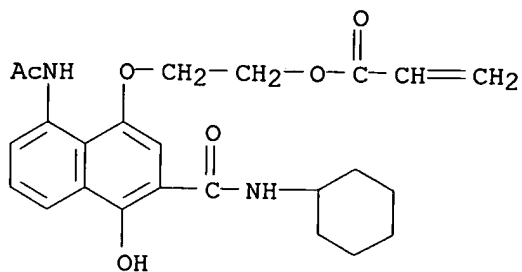
RN 129744-96-3 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 2-[[8-(acetylamino)-3-[(cyclohexylamino)carbonyl]-4-hydroxy-1-naphthalenyl]oxy]ethyl 2-propenoate and methyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 129744-95-2

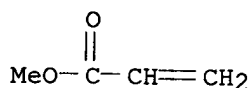
CMF C24 H28 N2 O6



CM 2

CRN 96-33-3

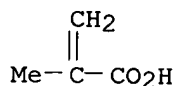
CMF C4 H6 O2



CM 3

CRN 79-41-4

CMF C4 H6 O2



L8 ANSWER 31 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1990:562439 CAPLUS
 DOCUMENT NUMBER: 113:162439
 TITLE: Processing of silver halide color photographic material
 INVENTOR(S): Kawagishi, Toshio
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 43 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02096157	A	19900406	JP 1988-249233	19881003
PRIORITY APPLN. INFO.:			JP 1988-249233	19881003

AB The title color processing is effected by using a Ag halide color photog. material containing ≥ 1 colorless compds. A-(L)n-B [A =group releasing -(L)n-B on coupling with the oxidized primary aromatic amine developing agent; B = ligand capable of forming a magenta image by chelating with a metal ion; L = divalent linking group; n = 0,1], which yields a magenta image as an inverse function of the exposure received by the red-sensitive emulsion layer, in the red-sensitive layer together with ≥ 1 cyan couplers, or in an adjacent layer, by color developing, and processing in

a solution containing bleaching capability, the bleaching soln(s). being characterized by (1) a total Fe content (number of mols) larger than that of the organic chelating agent, (2) containing a Fe²⁺ chelate with stability containing ≤ 12.0 , (3) an overall stability constant for ≥ 1 of the chelates ≤ 12.0 when mixed chelates are used, with the total number of mols of the rest of the chelating agents less than the total number of mols of Fe, and (4) a 1,3-diaminopropanetetraacetic acid Fe³⁺ complex concentration ≥ 0.2 mol/L and a pH 2.5-5.5. Good color reproducibility is achieved with a high-sensitivity color film.

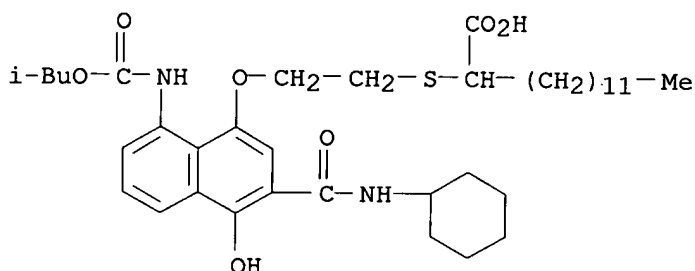
IT 129866-16-6

RL: USES (Uses)

(cyan coupler, color reproducible photog. films using)

RN 129866-16-6 CAPLUS

CN Tetradecanoic acid, 2-[[2-[[3-[(cyclohexylamino)carbonyl]-4-hydroxy-8-[[2-methylpropoxy)carbonyl]amino]-1-naphthalenyl]oxy]ethyl]thio]- (CA INDEX NAME)



L8 ANSWER 32 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:506308 CAPLUS

DOCUMENT NUMBER: 113:106308

TITLE: Silver halide color photographic material containing a 2-amidonaphthol cyan coupler

INVENTOR(S): Tsuruta, Mayumi; Uchida, Taku; Miura, Akio; Ishii, Fumio; Kono, Junichi

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02006948	A	19900111	JP 1988-157724	19880624
PRIORITY APPLN. INFO.:			JP 1988-157724	19880624

OTHER SOURCE(S): MARPAT 113:106308

GI For diagram(s), see printed CA Issue.

AB The claimed photog. material having ≥ 1 Ag halide emulsion layer(s) on the substrate contains in ≥ 1 of the emulsion layer(s) a cyan dye-forming coupler of the formula I (A = N-containing unsatd. 6-membered heterocyclic group; R = H or a leaving group at the coupling reaction with the oxidized developing agent; R₁, R₂ = substituents; m = 1-4; n = 1-5; R₁'s or R₂'s may be combined to form a condensed ring). The coupler has a good dye developability even when processed by fairly exhausted bleach, and the spectral distribution of the formed cyan dye is less dependent on the dye d. Thus, an exptl. monocolor film was prepared by adding a dispersion of coupler II to a red-sensitive Ag(Br,I) emulsion layer. Upon

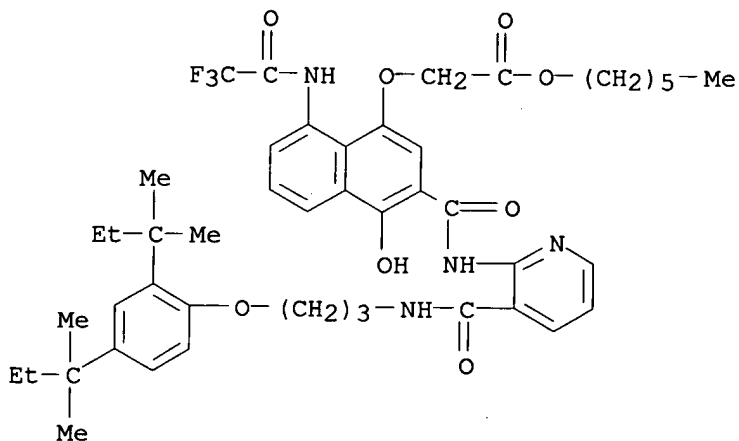
development by a typical color neg. process but using an heavily exhausted bleach, it showed an excellent color developability and color rendition independent of the d.

IT 129040-88-6

RL: TEM (Technical or engineered material use); USES (Uses)
(photog. cyan coupler)

RN 129040-88-6 CAPLUS

CN Acetic acid, [[3-[[[3-[[[3-[2,4-bis(1,1-dimethylpropyl)phenoxy]propyl]amino]carbonyl]-2-pyridinyl]amino]carbonyl]-4-hydroxy-8-[(trifluoroacetyl)amino]-1-naphthalenyl]oxy]-, hexyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 33 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:506255 CAPLUS

DOCUMENT NUMBER: 113:106255

TITLE: Silver halide color photographic material containing water-soluble polymer coupler and bleaching accelerator-releasing compound

INVENTOR(S): Ishii, Yoshio

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 58 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01224756	A	19890907	JP 1988-51289	19880304
PRIORITY APPLN. INFO.:			JP 1988-51289	19880304

AB The title color photog. material contains ≥ 1 water-soluble polymer coupler, and ≥ 1 bleaching accelerator-releasing compound Bleaching ability and stability of photog. process can be improved.

IT 127397-31-3

RL: USES (Uses)

(color photog. material containing bleaching accelerator-releasing compound and, as coupler)

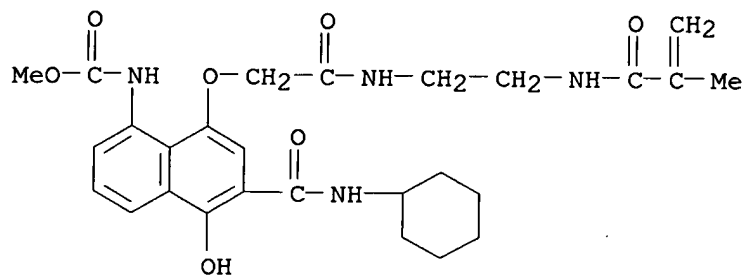
RN 127397-31-3 CAPLUS

CN 2-Propenoic acid, polymer with methyl [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-[2-[[2-[(2-methyl-1-oxo-2-propenyl)amino]ethyl]amino]-2-oxoethoxy]-1-naphthalenyl]carbamate and sodium 4-ethenylbenzenesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 127397-30-2

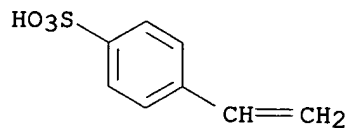
CMF C27 H34 N4 O7



CM 2

CRN 2695-37-6

CMF C8 H8 O3 S . Na

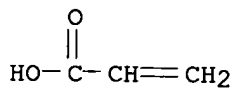


● Na

CM 3

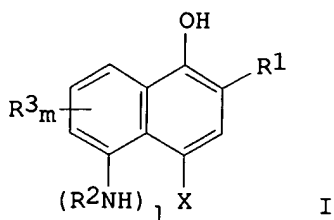
CRN 79-10-7

CMF C3 H4 O2



L8 ANSWER 34 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:449662 CAPLUS
DOCUMENT NUMBER: 113:49662
TITLE: Processing of silver halide color photographic material
INVENTOR(S): Shinba, Satoru; Yagi, Toshihiko
PATENT ASSIGNEE(S): Konica Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 37 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01237658	A	19890922	JP 1988-65063	19880318
JP 2961543	B2	19991012		
PRIORITY APPLN. INFO.: GI			JP 1988-65063	19880318

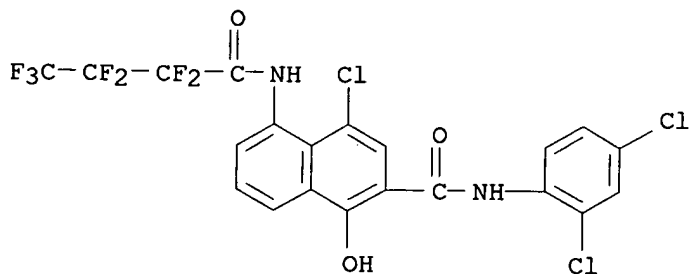


AB A Ag halide color photog. material contains ≥ 1 cyan coupler represented by the formula I [R1 = CONR4R5, NHCOR4, NHCO2R6, NHSO2R6, NHCONR4R5, NHSO2NR4R5; R2 = a monovalent group; R3 = a substituent; X = H, a group releasable on reaction with an oxidized primary aromatic amine developer; l = 0, 1; R4, R5 = H, aryl, aliphatic, heterocyclyl; when l = 0, m = 0, R1 = CONHR7 (R7 = aromatic)] and is processed using a bleaching solution containing an Fe3+ complex salt of (A1CH2)(A2CH2)NZN(CH2A3)(CH2A4) [A1-A4 = CH2OH, CO2M, PO3M1M2 (M, M1, M2 = H, Na, K, NH4); Z = C3-5 alkylene]. Bleach fogging is lessened to stabilize the processing and rapid processing is effected.

IT 126935-40-8
RL: TEM (Technical or engineered material use); USES (Uses)
(cyan photog. coupler, for rapid-processing photog. materials)

RN 126935-40-8 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-(2,4-dichlorophenyl)-5-[(2,2,3,3,4,4,4-heptafluoro-1-oxobutyl)amino]-1-hydroxy- (CA INDEX NAME)



L8 ANSWER 35 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:431864 CAPLUS

DOCUMENT NUMBER: 113:31864

TITLE: Silver halide photographic material containing 1-naphthole-type cyan coupler

INVENTOR(S): Tsuruta, Mayumi; Uchida, Taku; Miura, Akio; Ishii, Fumio; Kono, Junichi

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF

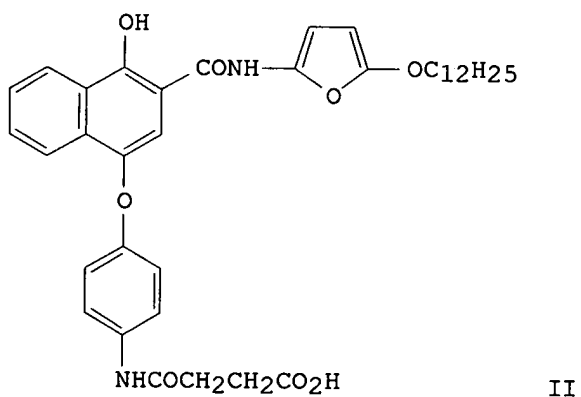
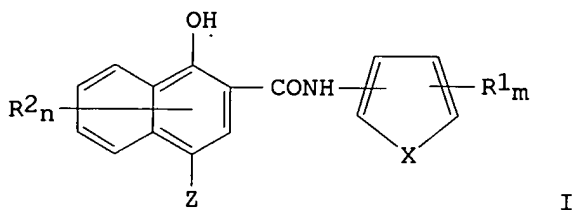
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02006947	A	19900111	JP 1988-157723	19880624
PRIORITY APPLN. INFO.:			JP 1988-157723	19880624
OTHER SOURCE(S):	MARPAT	113:31864		
GI				



AB The title material has ≥ 1 Ag halide emulsion layers, in which ≥ 1 layers contain a cyan color-forming coupler I [X = O, S, (substituted) imino; Z = H, removable group in coupling with an oxidized aromatic primary amine developer; R1-2 = substituent; m = 0-3; n = 0-5; R1 may form (substituted) ring]. Thus, a red-sensitive Ag(Br,I) emulsion was mixed with naphthole cyan coupler II to give the title material showing no reduction of color d. in developing with used fixing bath.

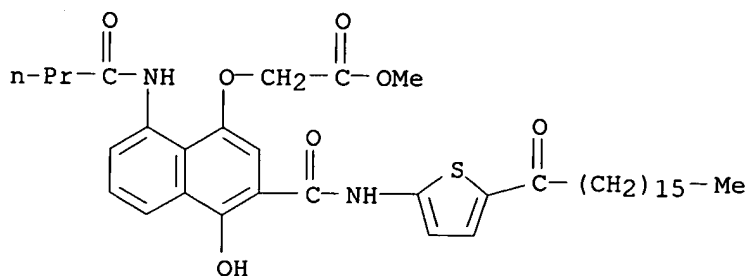
IT 127934-65-0

RL: USES (Uses)

(cyan coupler, for silver halide photog. emulsion, for used fixing bath)

RN 127934-65-0 CAPLUS

CN Acetic acid, [[4-hydroxy-8-[(1-oxobutyl)amino]-3-[[[5-(1-oxoheptadecyl)-2-thienyl]amino]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 36 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1990:431800 CAPLUS
 DOCUMENT NUMBER: 113:31800
 TITLE: Processing of color photographic material containing polymer coupler
 INVENTOR(S): Fujita, Yoshihiro; Ishii, Yoshio
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 55 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01239553	A	19890925	JP 1988-67526	19880322
PRIORITY APPLN. INFO.:			JP 1988-67526	19880322

AB In the title processing including a water-washing step and/or stabilization step, the amount of a replenishing solution given to the water-washing step and/or stabilization step is equal to 1-50 times of the solution carried by a unit area of the photog. material from the previous bath such as a bleach-fixing bath and the photog. material contains ≥ 1 water-soluble polymer coupler.

IT 127397-31-3
 RL: TEM (Technical or engineered material use); USES (Uses)
 (cyan photog. coupler, water-soluble)

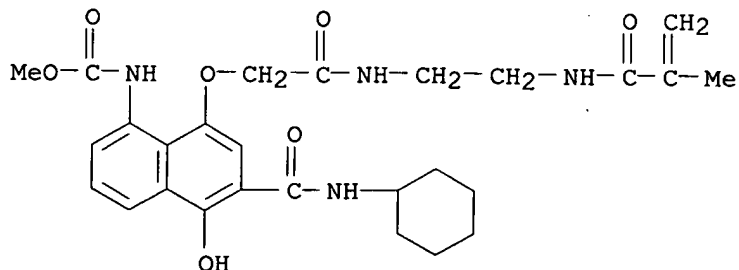
RN 127397-31-3 CAPLUS

CN 2-Propenoic acid, polymer with methyl [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-[2-[[2-[(2-methyl-1-oxo-2-propenyl)amino]ethyl]amino]-2-oxoethoxy]-1-naphthalenyl]carbamate and sodium 4-ethenylbenzenesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 127397-30-2

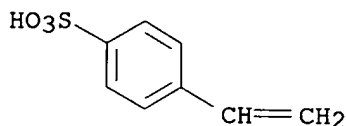
CMF C27 H34 N4 O7



CM 2

CRN 2695-37-6

CMF C8 H8 O3 S . Na

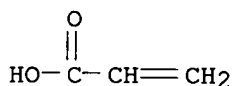


● Na

CM 3

CRN 79-10-7

CMF C3 H4 O2



L8 ANSWER 37 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:207740 CAPLUS

DOCUMENT NUMBER: 112:207740

TITLE: Silver halide color photographic material

INVENTOR(S): Oki, Nobutaka; Ono, Shigetoshi; Nakamura, Yoshisada

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 51 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01197753	A	19890809	JP 1988-22523	19880202
PRIORITY APPLN. INFO.:			JP 1988-22523	19880202

AB A Ag halide color photog. material contains ≥ 1 polymer based on $\text{CH}_2\text{:CR-SPLT-COUP(SOL)}_n$ [COUP = a coupler nucleus capable of coupling with an oxidized primary aromatic amine color developing agent; SPLT = a group released from COUP on coupling and bonded to the coupling group of COUP; SPLT is also bonded to the polymerized part; SOL = a polar group bonded to the noncoupling part of COUP and including SO_3H , CO_2H , phospho, OH, carbamoyl, sulfamoyl, sulfonamido; $n = 1-4$; $\text{R} = \text{H}$, alkyl, halo]. The occurrences of color staining and color fogging are reduced.

IT 126858-01-3

RL: USES (Uses)

(color photog. material containing, for reduced staining and fogging)

RN 126858-01-3 CAPLUS

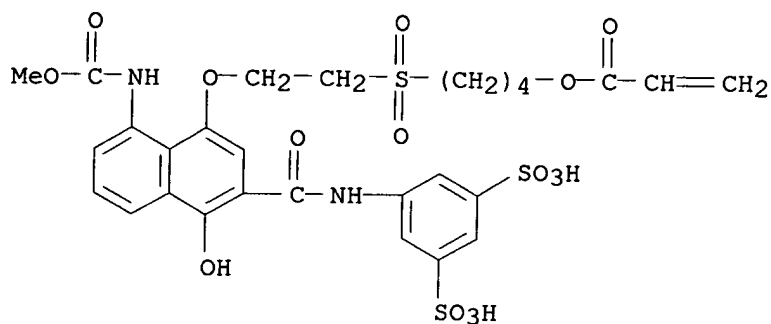
CN 2-Propenoic acid, butyl ester, polymer with 4-[[2-[[3-[[3,5-disulphophenyl)amino]carbonyl]-4-hydroxy-8-[(methoxycarbonyl)amino]-1-naphthalenyl]oxy]ethyl]sulfonyl]butyl 2-propenoate disodium salt (9CI)

(CA INDEX NAME)

CM 1

CRN 126858-00-2

CMF C28 H30 N2 O15 S3 . 2 Na

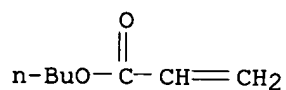


● 2 Na

CM 2

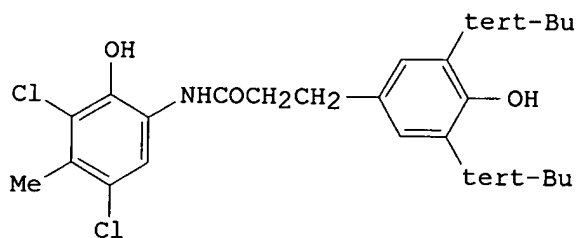
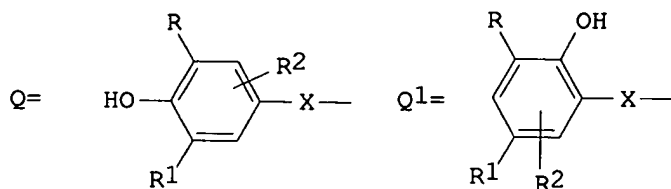
CRN 141-32-2

CMF C7 H12 O2



L8 ANSWER 38 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:129049 CAPLUS
DOCUMENT NUMBER: 112:129049
TITLE: Silver halide color photographic materials containing phenolic cyan couplers
INVENTOR(S): Morigaki, Masakazu; Aoki, Kozo; Nakajo, Kiyoshi
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 01186951	A	19890726	JP 1988-10456	19880120
PRIORITY APPLN. INFO.: GI			JP 1988-10456	19880120



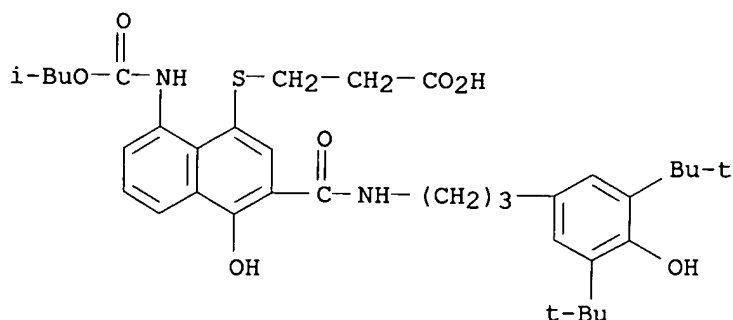
I

AB Ag halide color photog. materials contain phenolic cyan couplers linked to at least one of groups Q and Q1 (R = tert-alkyl; R1 = H, alkyl, aryl, alkoxy, aryloxy, halo, SO3H, SO2H, arylthio, CONH2, SO2NH2, OH, etc.; R2 = H, substituent; X = CO, CR3R4, CR3=, C.tplbond.C, arylene, NR5, S; R3, R4 = H, alkyl, aryl, halo; R5 = H, alkyl, aryl, acyl, SO3H; R3R4 together may form 5- to 7-membered ring), e.g. I, and show excellent photog. properties and provide cyan dye images having improved light, heat, and moisture resistances.

IT 125757-96-2P
RL: PREP (Preparation)
(preparation of, as cyan photog. coupler)

RN 125757-96-2 CAPLUS

CN Propanoic acid, 3-[[[3-[[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]propyl]amino]carbonyl]-4-hydroxy-8-[[2-methylpropoxy)carbonyl]amino]-1-naphthalenyl]thio]- (CA INDEX NAME)



L8 ANSWER 39 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:66657 CAPLUS

DOCUMENT NUMBER: 112:66657

TITLE: Electrophotographic photoreceptor

INVENTOR(S): Kouno, Hisao; Saikatsu, Hiroaki; Suda, Osamu; Umezaki, Tetsuhiro; Tanaka, Norio; Sekino, Toshifumi; Hasegawa, Masaru; Abe, Yoshio; Horiguchi, Shojiro

PATENT ASSIGNEE(S): Dainichiseika Color and Chemicals Mfg. Co., Ltd., Japan

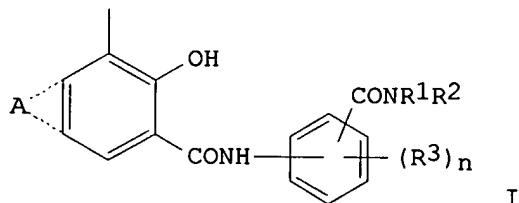
SOURCE: Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

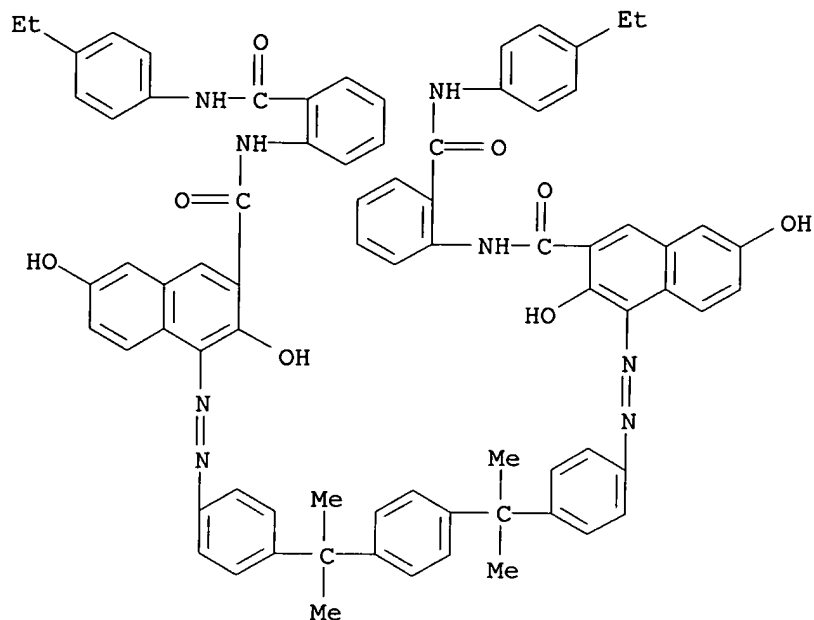
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 322823	A2	19890705	EP 1988-121639	19881223
EP 322823	A3	19900808		
EP 322823	B1	19950405		
R: BE, DE, FR, GB, IT				
JP 01177041	A	19890713	JP 1987-333238	19871229
US 4912001	A	19900327	US 1988-288574	19881222
PRIORITY APPLN. INFO.: GI			JP 1987-333238	A 19871229

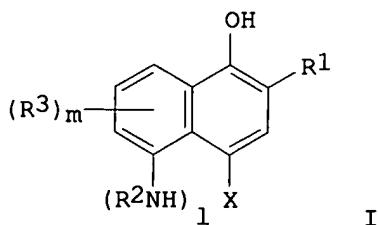


- AB An electrophotog. photoreceptor which has excellent electrification properties, photosensitivity, and image-forming capacity is provided, on a conductive substrate, with a photosensitive element comprising a carrier-producing layer containing an azo compound having in the mol. ≥ 1 azo group coupled with a coupler residue represented by the formula I [A = a group of atoms necessary for condensing with a benzene ring to form an (substituted) aromatic hydrocarbon or heterocyclic ring; R₁, R₂ = H, (substituted) alkyl, (substituted) aralkyl, (substituted) aromatic hydrocarbon or heterocyclic group, R₁R₂ together with the N atom may form a ring; R₃ = H, halogen, CN, (substituted) alkyl, alkoxy; n = 0-4] as the carrier-producing agent and a carrier-transporting layer comprising a hydrazone as the carrier-transparent agent. The electrophotog. properties of the photoreceptor remain essentially unchanged even after >1000 charging-discharging cycles.
- IT 123788-88-5
RL: USES (Uses)
(carrier-generating layers containing, for electrophotog. photoreceptors)
- RN 123788-88-5 CAPLUS
- CN 2-Naphthalenecarboxamide, 4,4'-[1,4-phenylenebis[(1-methylethylidene)-4,1-phenyleneazo]]bis[N-[2-[[[4-ethylphenyl]amino]carbonyl]phenyl]-3,7-dihydroxy- (9CI) (CA INDEX NAME)



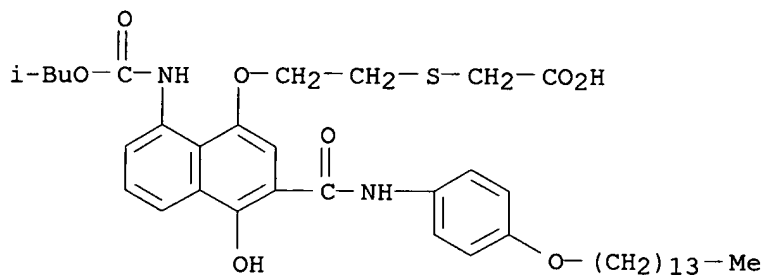
L8 ANSWER 40 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1989:644121 CAPLUS
 DOCUMENT NUMBER: 111:244121
 TITLE: Processing of silver halide color photographic material with improved decoloring and cyan stain
 INVENTOR(S): Ishikawa, Masao; Koboshi, Shigeharu; Kuze, Satoru
 PATENT ASSIGNEE(S): Konica Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 26 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 64000953	A	19890105	JP 1987-156038	19870623
PRIORITY APPLN. INFO.: GI			JP 1987-156038	19870623



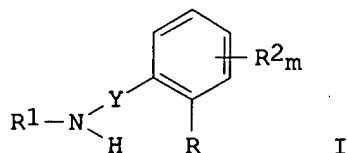
AB The processing of a color photog. material containing a coupler of the structure I [R1 = CONR4R5, NHCOR4, NHCO2R6, NHSO2R6, NHCONR4R5, NHSO2NR4R5; R2 = a monovalent group; R3 = a substituent; X = H, a group to be released upon reaction with an oxidized aromatic primary amine developer; l = 0, 1; m = 3; R4, R5 = H, aromatic group, aliphatic group, or heterocyclyl; R6 = an aromatic group, aliphatic group, or heterocyclyl] comprises (a) color

development, (b) bleaching with a solution containing an Fe(III) complex salt of
 a compound of the formula (R11L1)(R12N2)NLN(L3R13)(L1R14) and/or
 R15L5N(L6R16)(L7R17) [L = alkylene, cycloalkylene, phenylene, L8OL8OL8,
 L9ZL9; Z = NL10R18, N(L12R19)L11N(L2R19), NR20, N(R21)L13N(R21); L1-L13 =
 alkylene; R11-R21 = H, OH, carboxylic acid (or carboxylate), sulfonic acid
 (or sulfonate)], and (c) treatment with an alkali bath (pH \geq 8.0).
 IT 109625-49-2
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. cyan coupler, processing of color material containing)
 RN 109625-49-2 CAPLUS
 CN Acetic acid, [[2-[[4-hydroxy-8-[[2-methylpropoxy)carbonyl]amino]-3-[[4-
 (tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]oxy]ethyl]thio]-
 (9CI) (CA INDEX NAME)



L8 ANSWER 41 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1989:439020 CAPLUS
 DOCUMENT NUMBER: 111:39020
 TITLE: Preparation of alkoxybenzene derivatives
 INVENTOR(S): Yamakawa, Kazuyoshi; Kobayashi, Hidetoshi; Ito, Isamu
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63258446	A	19881025	JP 1987-218498	19870901
JP 08013759	B	19960214		
DE 3819025	A1	19890524	DE 1988-3819025	19880603
PRIORITY APPLN. INFO.:			JP 1986-205344	A1 19860901
			JP 1986-279608	A1 19861126
			JP 1987-218498	A 19870901
OTHER SOURCE(S):		MARPAT 111:39020		
GI				



AB Title compds. [I; R = alkoxy; R1 = H, alkyl, aryl, heterocyclyl, acyl,

alkylsulfonyl, etc.; R2 = aromatic-substitutable groups; Y = divalent connecting groups; YR1, YR2 = (substituted) 5- to 7-membered rings; m = 0-4 but m = 0-6 only for YR2 = (substituted) benzo] (II), useful as intermediates for photog. couplers, pharmaceuticals, and agrochems., are prepared by alkoxylation of halobenzene derivs. I (R = halo; R1, R2, Y, m = as defined above) (III) with alcs. RH. 1,8-Diaminonaphthalene (36 g) dispersed in water was diazotized with concentrated aqueous HCl and NaNO2 to give 40

g aziminonaphthalene which was slowly added to a stirred mixture of HBr and Cu powder at 110°. After bubbling was ceased, the reaction mixture was continuously heated 30 min addnl. to give 24 g amine II (R = Br, R2Y = benzo, R1 = H, m = 1) (IV). IV in DMF was stirred 3 h at 80° with addition of pyridine and (AcO)2O to give acetamide II (R = Br, R2Y = benzo, R1 = Ac, m = 1) which was slowly added to a mixture of NaH, pyridine, and CuCl in ethylene glycol and resulting mixture was stirred 5 h at room temperature

to give 80% II (R = hydroxyethoxy, R2Y = benzo, R1 = Ac; m = 1).

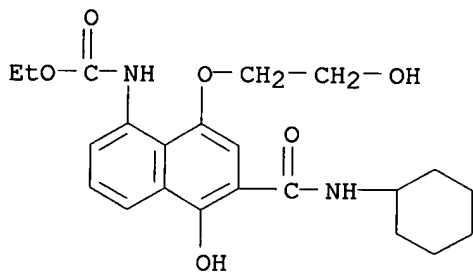
IT 121287-48-7P 121287-49-8P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of, by alkoxylation of haloarom. derivs.)

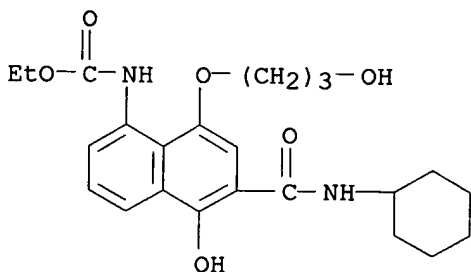
RN 121287-48-7 CAPLUS

CN Carbamic acid, [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-(2-hydroxyethoxy)-1-naphthalenyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 121287-49-8 CAPLUS

CN Carbamic acid, [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-(3-hydroxypropoxy)-1-naphthalenyl]-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 42 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:125252 CAPLUS

DOCUMENT NUMBER: 110:125252

TITLE: Silver halide color photographic material

INVENTOR(S): Yamada, Kozaburo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63124051	A	19880527	JP 1986-271112	19861114
PRIORITY APPLN. INFO.:			JP 1986-271112	19861114

OTHER SOURCE(S): MARPAT 110:125252

GI For diagram(s), see printed CA Issue.

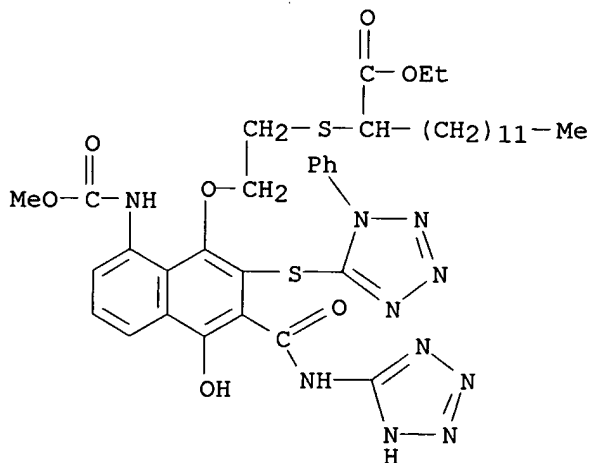
AB The claimed photog. material contains a compound expressed as PUG-A-L (I) where A stands for a coupler moiety capable of releasing PUG after completion of cleavage by coupling with an oxidized developer to release a leaving group L and PUG is a photog. useful group. It has the advantage that the rate of coupling and rate of releasing PUG can be controlled independently, therefore, the PUG is released at a suitable time during processing. The PUG may be a development retarder, antifogging agent, development accelerator, fogging agent, dye, bleach accelerator, Ag halide solvent, etc. The compound I may be represented by the formula II or III (R, R₁, R₂ = H, alkyl, alkoxy, aryl, halo, etc; L = H, halo, sulfo, etc. l, m = 0-3). Thus, a multilayer color neg. film in which cyan coupler IV (capable of rate-controlled release of 1-phenyl-5-mercaptotetrazole) was used for the red-sensitive layer showed a remarkable increase in resolution upon development by normal color processing.

IT 119376-45-3

RL: TEM (Technical or engineered material use); USES (Uses)
(photog. coupler)

RN 119376-45-3 CAPLUS

CN Tetradecanoic acid, 2-[[2-[[4-hydroxy-8-[(methoxycarbonyl)amino]-2-[(1-phenyl-1H-tetrazol-5-yl)thio]-3-[(1H-tetrazol-5-ylamino)carbonyl]-1-naphthalenyl]oxy]ethyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 43 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1988:640572 CAPLUS

DOCUMENT NUMBER: 109:240572

TITLE: Silver halide color photographic material containing coupler

INVENTOR(S): Yamada, Kozaburo; Obayashi, Keiji; Ichijima, Yasushi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

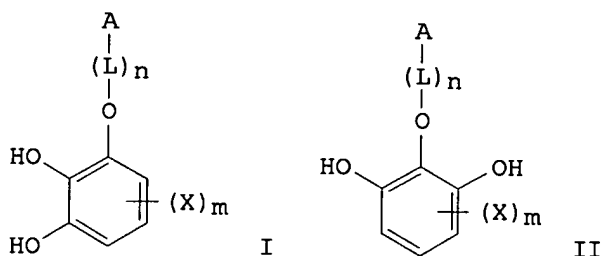
SOURCE: Jpn. Kokai Tokkyo Koho, 37 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63136046	A	19880608	JP 1986-283627	19861128
PRIORITY APPLN. INFO.: GI			JP 1986-283627	19861128



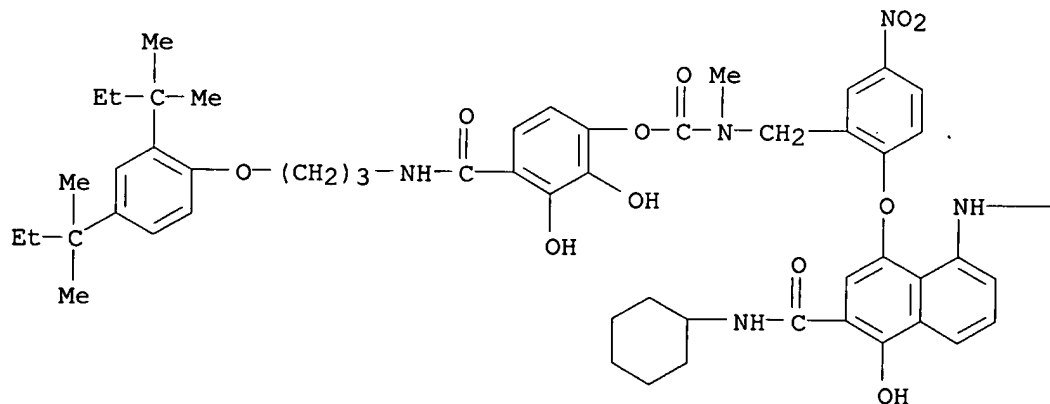
AB The title photog. material contains a coupler I or II [A = coupler residue capable of releasing the moiety other than A through a reaction with an oxidized color developing agent; L = timing group; n = 0, 1; X = aliphatic, aromatic, aliphatic oxy, aliphatic or aromatic thio, aliphatic or aromatic acyl, aliphatic or aromatic oxycarbonyl, aliphatic or aromatic sulfonyl, (substituted) carbonyl, (substituted) sulfamoyl, aliphatic or aromatic acylamino, aliphatic or aromatic oxycarbonylamino, (substituted) ureido, (substituted) carbamoyloxy, halogen, cyano, formyl, nitro; m = 1, 2; ≥1 of + may have a diffusion-resistant group]. The coupler improves graininess.

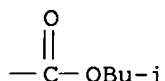
IT 117792-11-7
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. coupler, color photog. material containing)

RN 117792-11-7 CAPLUS

CN Carbamic acid, [[2-[[3-[(cyclohexylamino)carbonyl]-4-hydroxy-8-[[2-methylpropoxy)carbonyl]amino]-1-naphthalenyl]oxy]-5-nitrophenyl]methyl]methyl-, 4-[[[3-[2,4-bis(1,1-dimethylpropyl)phenoxy]propyl]amino]carbonyl]-2,3-dihydroxyphenyl ester (9CI) (CA INDEX NAME)

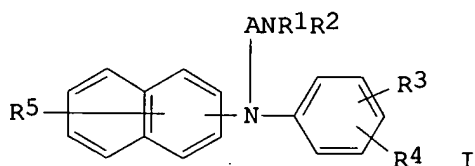
PAGE 1-A





L8 ANSWER 44 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1988:177111 CAPLUS
 DOCUMENT NUMBER: 108:177111
 TITLE: Electrophotographic photoreceptors containing charge carrier-transporting diamine compounds
 INVENTOR(S): Matsumoto, Masakazu; Takiguchi, Takao; Kikuchi, Norihiro; Takahashi, Hideyuki; Umehara, Masashige
 PATENT ASSIGNEE(S): Canon K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62200358	A	19870904	JP 1986-41642	19860228
JP 06079164	B	19941005		
PRIORITY APPLN. INFO.: GI			JP 1986-41642	19860228

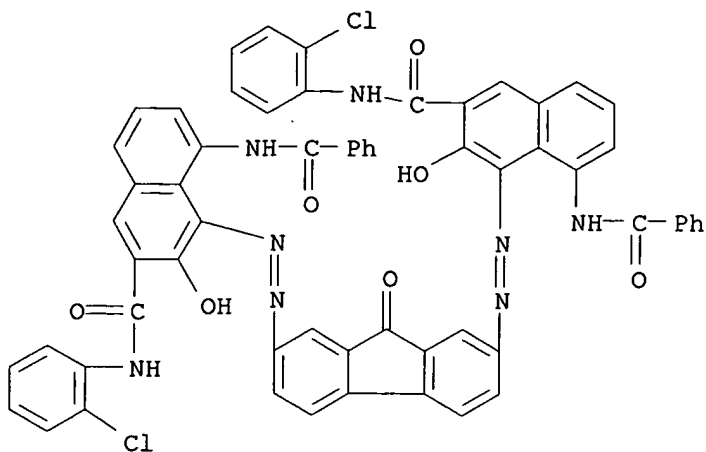


AB The title electrophotog. photoreceptors contain diamines of the formula I
 (A = divalent aromatic or heterocyclic moiety; R1, R2 = alkyl, aralkyl, aryl;
 R1R2 in combination may form a heterocycle; R3-R5 = H, alkyl, alkoxy,
 aralkyl, aryl, halo, nitro, CN, OH, acyl). The compds. I show excellent
 charge carrier-transporting property.

IT 113940-81-1
 RL: USES (Uses)
 (electrophotog. charge carrier-generating agent)

RN 113940-81-1 CAPLUS

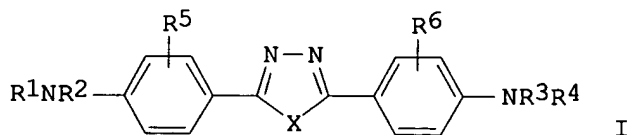
CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(azo)]bis[5-(benzoylamino)-N-(2-chlorophenyl)-3-hydroxy- (9CI) (CA INDEX NAME)



L8 ANSWER 45 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1988:177110 CAPLUS
 DOCUMENT NUMBER: 108:177110
 TITLE: Electrophotographic photoreceptors containing
 oxadiazole or thiadiazole derivative type
 photoconductors
 INVENTOR(S): Kikuchi, Norihiro; Takahashi, Hideyuki; Umehara,
 Masashige; Takiguchi, Takao; Matsumoto, Masakazu
 PATENT ASSIGNEE(S): Canon K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62200359	A	19870904	JP 1986-41643	19860228
JP 2529099	B2	19960828		

PRIORITY APPLN. INFO.: JP 1986-41643 19860228
 GI

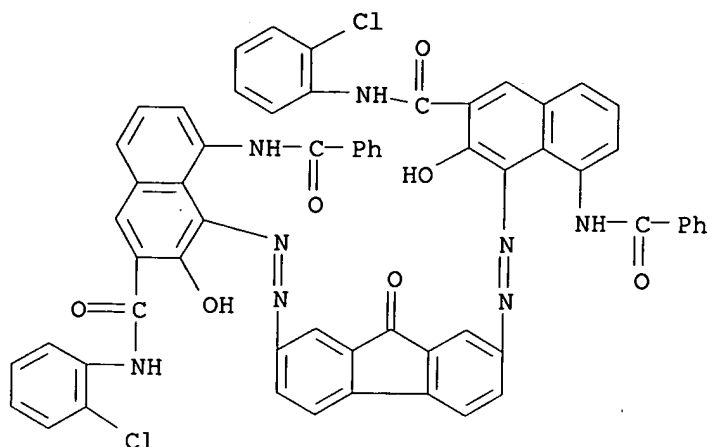


AB The title electrophotog. photoreceptors contain oxadiazole or thiodiazole derivative of the formula I (R1-R4 = alkyl, aralkyl, aryl, heterocyclyl; ≥2 of R1-R4 are aryl; R1R2 and R3R4 combinations may form heterocycles; R5, R6 = H, alkyl, alkoxy, halo, nitro, CN, acyl, CF3; X = O, S). The compds. I show excellent properties as charge carrier-transferring agent.

IT 113940-81-1
 RL: USES (Uses)
 (electrophotog. charge carrier-generating agent)

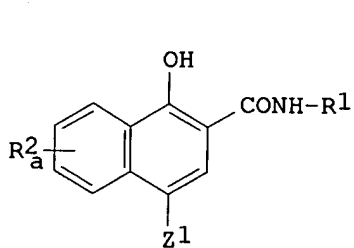
RN 113940-81-1 CAPLUS

CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(azo)]bis[5-(benzoylamino)-N-(2-chlorophenyl)-3-hydroxy- (9CI) (CA INDEX NAME)

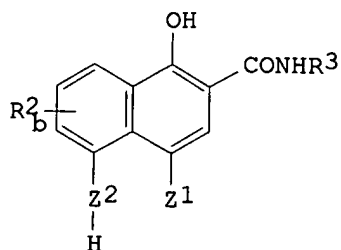


L8 ANSWER 46 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1988:46766 CAPLUS
 DOCUMENT NUMBER: 108:46766
 TITLE: Silver halide color photographic material
 INVENTOR(S): Ichijima, Yasushi; Obayashi, Keiji
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 38 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62151847	A	19870706	JP 1985-294547	19851226
JP 05073216	B	19931013		
PRIORITY APPLN. INFO.: GI			JP 1985-294547	19851226



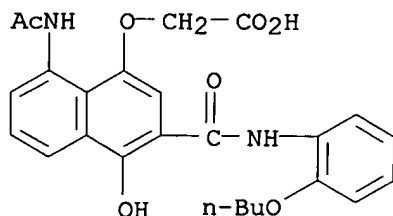
I



II

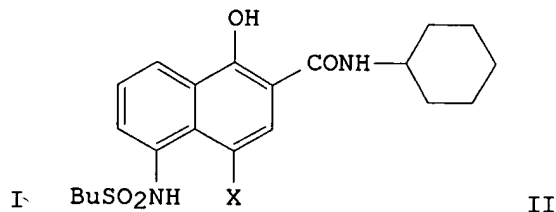
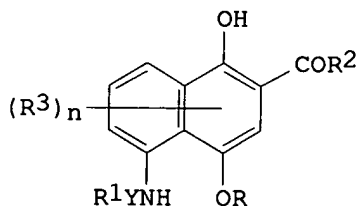
AB The material contains ≥ 1 development inhibitor-releasing coupler of the formula APDI and ≥ 1 cyan coupler of the formulas I and II (A = group to be separated from PDI upon reaction with oxidized developer; PDI = development inhibitor-releasing group; R1 = aryl, heterocyclyl; R2 = naphthol substituent; R3 = aliphatic group; a = 0, 4; b = 0, 3; Z1 = H, group to be separated on coupling; Z2 = O, S, NR2; R4 = H, organic substituent). It provides color images with improved sharpness and color reproduction and high d. even when it is processed with a fatigued bleaching solution
 IT 112232-36-7

RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. cyan coupler, for color images with improved d.)
 RN 112232-36-7 CAPLUS
 CN Acetic acid, [[8-(acetylamino)-3-[[2-butoxyphenyl]amino]carbonyl]-4-hydroxy-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

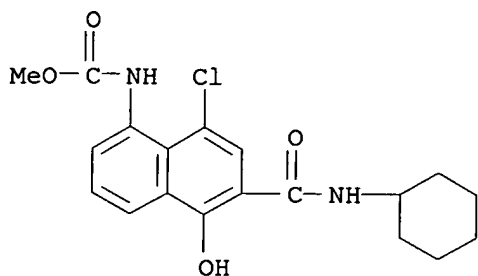


L8 ANSWER 47 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1988:37409 CAPLUS
 DOCUMENT NUMBER: 108:37409
 TITLE: 1-Hydroxy-4-alkoxy-5-amino-2-naphthoates
 INVENTOR(S): Yamakawa, Kazuyoshi; Kobayashi, Hidetoshi; Ito, Isamu
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62123158	A	19870604	JP 1985-259753	19851121
JP 07005531	B	19950125		
PRIORITY APPLN. INFO.:			JP 1985-259753	19851121
OTHER SOURCE(S):	CASREACT 108:37409			
GI				



AB The title compds. (I; R = aliphatic group; R1, R2 = H, substituent; R3 = substituent; Y = bond, connecting group; n = 0-4), useful as photog. couplers (no data) or intermediates for 1,4-naphthoquinones, are prepared Chlorination (61%) of II (X = H) by sulfonyl chloride followed by treatment of II (X = Cl) with MeOH, K2CO3 and CuCl gave 67% II (X = OMe), which in AcOH was treated with NaNO2 to give 95.8% the corresponding 1,4-naphthoquinone.
 IT 111631-95-9
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (halogenation of, in synthesis of naphthoquinone derivative)
 RN 111631-95-9 CAPLUS
 CN Carbamic acid, [8-chloro-6-[(cyclohexylamino)carbonyl]-5-hydroxy-1-naphthalenyl]-, methyl ester (9CI) (CA INDEX NAME)



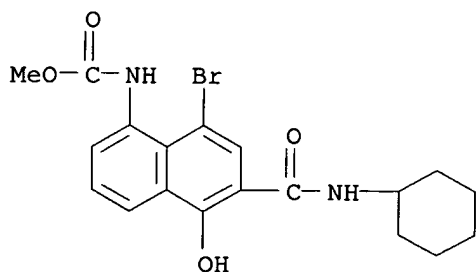
IT 111130-49-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and methoxylation of, in synthesis of naphthoquinone derivative)

RN 111130-49-5 CAPLUS

CN Carbamic acid, [8-bromo-6-[(cyclohexylamino)carbonyl]-5-hydroxy-1-naphthalenyl]-, methyl ester (9CI) (CA INDEX NAME)



IT 111130-74-6P 111130-77-9P 111130-79-1P

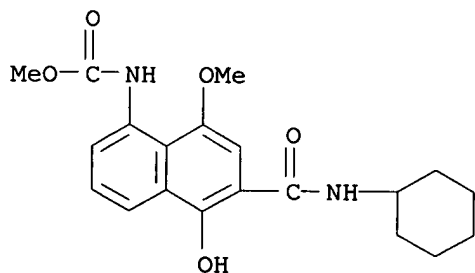
111130-80-4P 111130-81-5P 111631-88-0P

111631-89-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as photog. coupler)

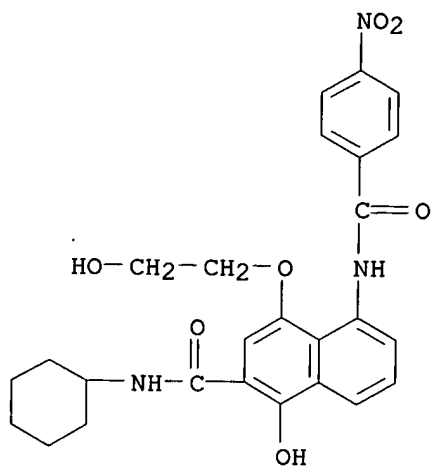
RN 111130-74-6 CAPLUS

CN Carbamic acid, [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-methoxy-1-naphthalenyl]-, methyl ester (9CI) (CA INDEX NAME)



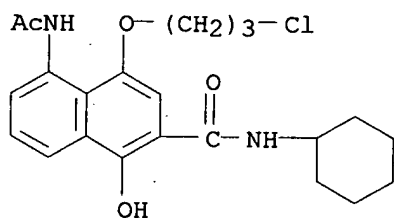
RN 111130-77-9 CAPLUS

CN 2-Naphthalenecarboxamide, N-cyclohexyl-1-hydroxy-4-(2-hydroxyethoxy)-5-[(4-nitrobenzoyl)amino]- (CA INDEX NAME)



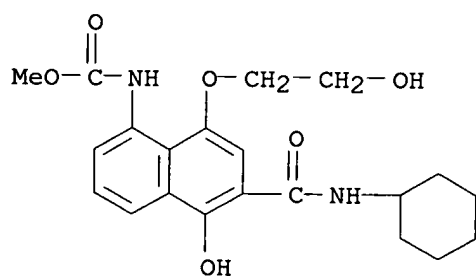
RN 111130-79-1 CAPLUS

CN 2-Naphthalenecarboxamide, 5-(acetylamino)-4-(3-chloropropoxy)-N-cyclohexyl-1-hydroxy- (CA INDEX NAME)



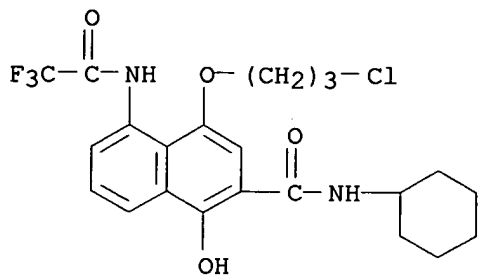
RN 111130-80-4 CAPLUS

CN Carbamic acid, [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-(2-hydroxyethoxy)-1-naphthalenyl]-, methyl ester (9CI) (CA INDEX NAME)

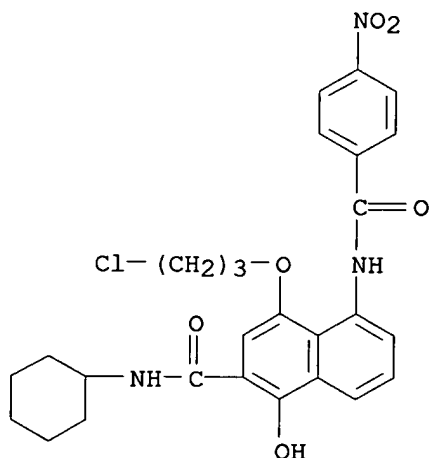


RN 111130-81-5 CAPLUS

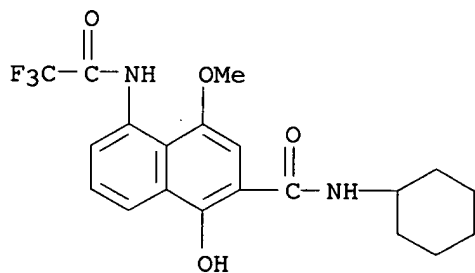
CN 2-Naphthalenecarboxamide, 4-(3-chloropropoxy)-N-cyclohexyl-1-hydroxy-5-[(trifluoroacetyl)amino]- (9CI) (CA INDEX NAME)



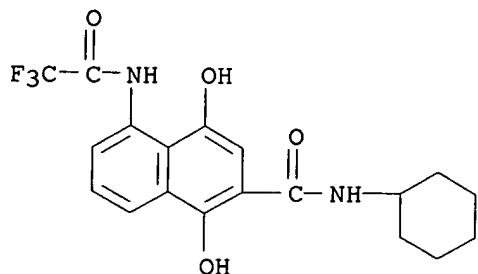
RN 111631-88-0 CAPLUS
 CN 2-Naphthalenecarboxamide, 4-(3-chloropropoxy)-N-cyclohexyl-1-hydroxy-5-[(4-nitrobenzoyl)amino]- (CA INDEX NAME)



RN 111631-89-1 CAPLUS
 CN 2-Naphthalenecarboxamide, N-cyclohexyl-1-hydroxy-4-methoxy-5-[(trifluoroacetyl)amino]- (9CI) (CA INDEX NAME)



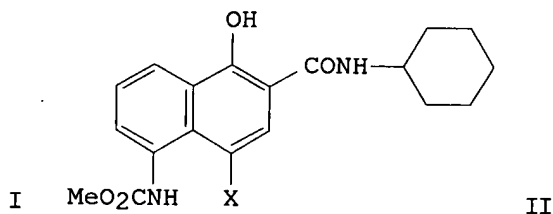
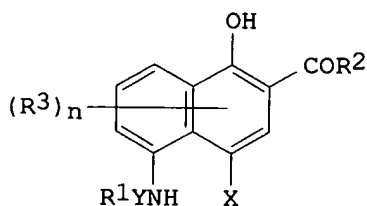
IT 111631-93-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, by reduction of naphthoquinone)
 RN 111631-93-7 CAPLUS
 CN 2-Naphthalenecarboxamide, N-cyclohexyl-1,4-dihydroxy-5-[(trifluoroacetyl)amino]- (9CI) (CA INDEX NAME)



L8 ANSWER 48 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1987:597824 CAPLUS
 DOCUMENT NUMBER: 107:197824
 TITLE: 1-Hydroxy-4-halo-5-amino-2-naphthoate derivatives
 INVENTOR(S): Yamakawa, Kazuyoshi; Kobayashi, Hidetoshi; Ito, Isamu
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62123157	A	19870604	JP 1985-259752	19851121
JP 06043380	B	19940608		
PRIORITY APPLN. INFO.:			JP 1985-259752	19851121
OTHER SOURCE(S):		CASREACT 107:197824		

GI



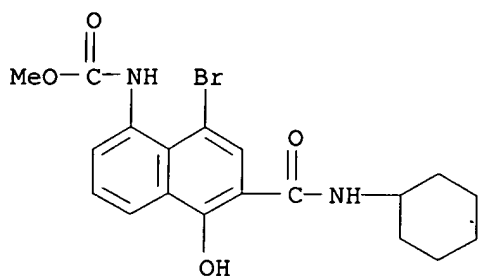
AB Title compds. I (R1, R2 = H, substituent; R3 = substituent; when n ≥ 2, R3 can be different; X = halo; Y = bond, connecting group; n = 0-4), useful as e.g. intermediates for 1-hydroxy-4-alkoxy-5-amino-2-naphthoic acid derivs. which are intermediates for cyanphotog. couples for color photosensitizers, are prepared Treatment of 0.5 mol I (R1 = R3 = X = H; R2 = OH; Y = bond) in AcNMe2 with 1.15 mol ClCO2Me gave 92% I (R1Y = CO2Me; R2 = OH; R3 = X = H), amidation of which (1.0 mol) with 1.0 mol cyclohexylamine in DMF in the presence 6 g dimethylamino pyridine afforded 72% II.

IT 111130-49-5P 111130-60-0P 111130-63-3P
 111130-64-4P 111130-65-5P 111130-74-6P
 111130-77-9P 111130-79-1P 111130-80-4P
 111130-81-5P 111130-82-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as intermediate for photog. couplers)

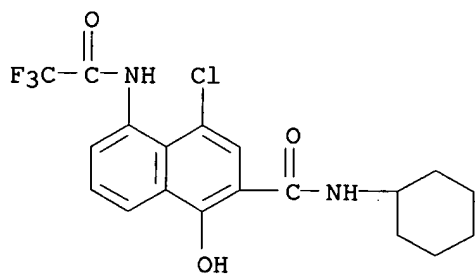
RN 111130-49-5 CAPLUS

CN Carbamic acid, [8-bromo-6-[(cyclohexylamino)carbonyl]-5-hydroxy-1-naphthalenyl]-, methyl ester (9CI) (CA INDEX NAME)



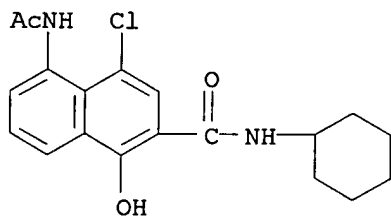
RN 111130-60-0 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-cyclohexyl-1-hydroxy-5-
[(trifluoroacetyl)amino]- (9CI) (CA INDEX NAME)



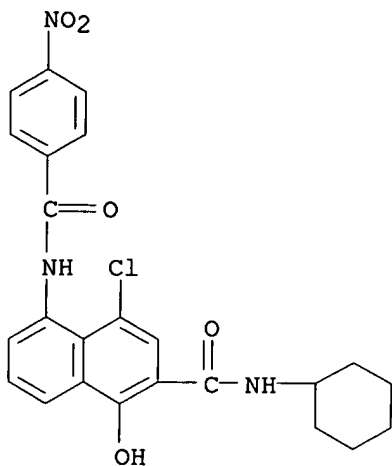
RN 111130-63-3 CAPLUS

CN 2-Naphthalenecarboxamide, 5-(acetylamino)-4-chloro-N-cyclohexyl-1-hydroxy-
(CA INDEX NAME)



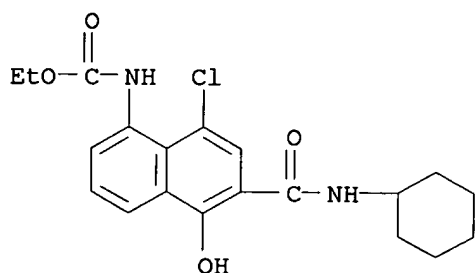
RN 111130-64-4 CAPLUS

CN 2-Naphthalenecarboxamide, 4-chloro-N-cyclohexyl-1-hydroxy-5-[(4-
nitrobenzoyl)amino]- (CA INDEX NAME)



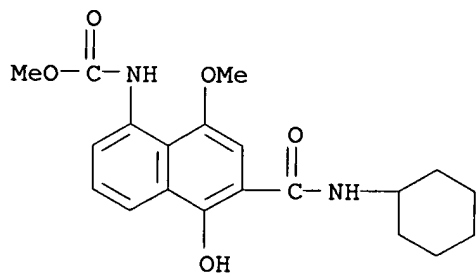
RN 111130-65-5 CAPLUS

CN Carbamic acid, [8-chloro-6-[(cyclohexylamino)carbonyl]-5-hydroxy-1-naphthalenyl]-, ethyl ester (9CI) (CA INDEX NAME)



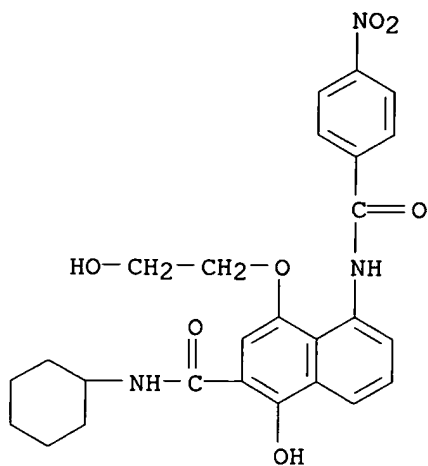
RN 111130-74-6 CAPLUS

CN Carbamic acid, [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-methoxy-1-naphthalenyl]-, methyl ester (9CI) (CA INDEX NAME)



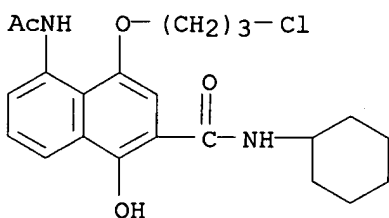
RN 111130-77-9 CAPLUS

CN 2-Naphthalenecarboxamide, N-cyclohexyl-1-hydroxy-4-(2-hydroxyethoxy)-5-[(4-nitrobenzoyl)amino]- (CA INDEX NAME)



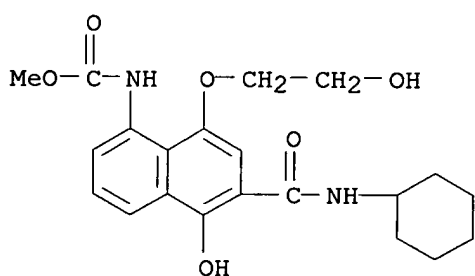
RN 111130-79-1 CAPLUS

CN 2-Naphthalenecarboxamide, 5-(acetylamino)-4-(3-chloropropoxy)-N-cyclohexyl-1-hydroxy- (CA INDEX NAME)



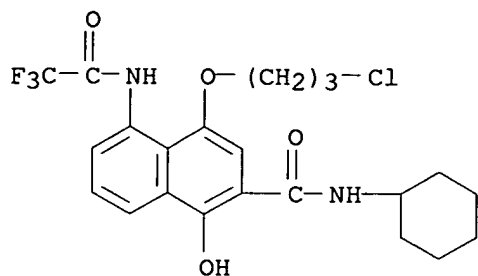
RN 111130-80-4 CAPLUS

CN Carbamic acid, [6-[(cyclohexylamino)carbonyl]-5-hydroxy-8-(2-hydroxyethoxy)-1-naphthalenyl]-, methyl ester (9CI) (CA INDEX NAME)



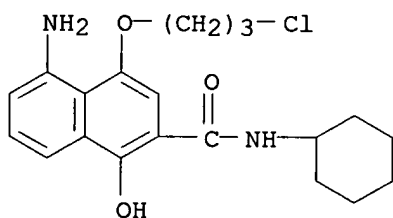
RN 111130-81-5 CAPLUS

CN 2-Naphthalenecarboxamide, 4-(3-chloropropoxy)-N-cyclohexyl-1-hydroxy-5-[(trifluoroacetyl)amino]- (9CI) (CA INDEX NAME)



RN 111130-82-6 CAPLUS

CN 2-Naphthalenecarboxamide, 5-amino-4-(3-chloropropoxy)-N-cyclohexyl-1-hydroxy- (CA INDEX NAME)



L8 ANSWER 49 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:587294 CAPLUS

DOCUMENT NUMBER: 107:187294

TITLE: Silver halide color photographic processing

INVENTOR(S): Nagaoka, Satoshi; Abe, Akira

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 54 pp.

CODEN: JKXXAF

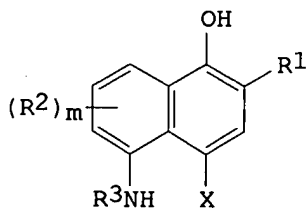
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

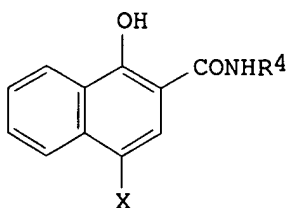
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62136651	A	19870619	JP 1985-277590	19851210
JP 05060581	B	19930902		
PRIORITY APPLN. INFO.: GI			JP 1985-277590	19851210



I



II

AB Ag halide color photog. materials containing ≥ 1 cyan coupler(s) selected from I and II ($R_1 = \text{CONR}_5\text{R}_6, \text{NHCOR}_5, \text{NHCO}_2\text{R}_7, \text{NHSO}_2\text{R}_7, \text{NHCONR}_5\text{R}_6, \text{NHSO}_2\text{NR}_5\text{R}_6$; $R_2 = \text{substituent}$; $R_3 = \text{organic moiety}$; $R_4 = \text{aryl}$; $X = \text{H, group released during coupling reaction}$; $R_5, R_6 = \text{H, aliphatic moiety, aryl}$,

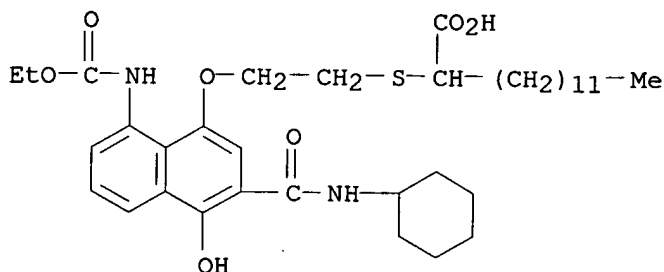
heterocyclyl; R7 = aliphatic moiety, aryl, heterocyclyl; m = 0-3; R2 may form condensed ring when m ≥ 2; R2R3, R3X combination may form a ring) are treated in a bleaching solution which tends to form leuco dye.

IT 110729-22-1

RL: TEM (Technical or engineered material use); USES (Uses)
(photog. cyan coupler, bleaching in relation to)

RN 110729-22-1 CAPLUS

CN Tetradecanoic acid, 2-[[2-[[3-[(cyclohexylamino)carbonyl]-8-[(ethoxycarbonyl)amino]-4-hydroxy-1-naphthalenyl]oxy]ethyl]thio]- (CA INDEX NAME)



L8 ANSWER 50 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:565382 CAPLUS

DOCUMENT NUMBER: 107:165382

TITLE: Processing of silver halide color photographic material

INVENTOR(S): Fujita, Yoshihiro; Nishikawa, Toshihiro

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.

CODEN: JKXXAF

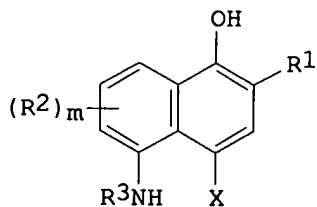
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

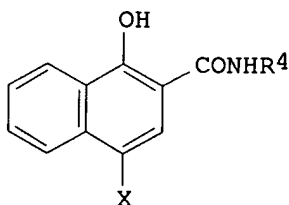
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62092948	A	19870428	JP 1985-234090	19851019
JP 07007201	B	19950130		
US 4857442	A	19890815	US 1986-920137	19861017
PRIORITY APPLN. INFO.:			JP 1985-234090	A 19851019
GI				



I



II

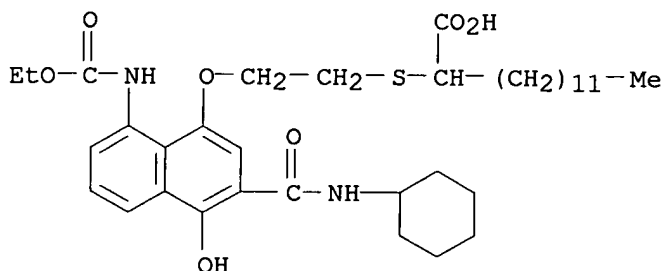
AB In processing Ag halide color photog. materials by water rinsing following fixing or bleach-fixing, ≥ 1 cyan dye coupler selected from I and II [R1 = CONR5R6, NHCOR5, NHCO2R7, NHSO2R7, NHCONR5R6, NHCO2NR5R6; R2 = naphthol ring substituent; m = 0-3; R3 = monovalent organic group; R4 = aryl; X = H, group releasable on coupling with the oxidized form of a primary

aromatic amine photog. developer (R5, R6 = H, organic group; R7 = organic group)]
 are incorporated in the Ag halide photog. material, and the amount of rinse water replenished in 3-50 times the amount of liquid carried over from the previous bath per unit area of the above photosensitive material. Thermal fading of the cyan dye is prevented, and the amount of water used in the rinsing step is greatly reduced.

IT 110729-22-1
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. cyan coupler, color material containing, for decreaaed fading reduced rinse water volume)

RN 110729-22-1 CAPLUS

CN Tetradecanoic acid, 2-[[2-[[3-[(cyclohexylamino)carbonyl]-8-[(ethoxycarbonyl)amino]-4-hydroxy-1-naphthalenyl]oxy]ethyl]thio]- (CA INDEX NAME)



L8 ANSWER 51 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:565370 CAPLUS

DOCUMENT NUMBER: 107:165370

TITLE: Silver halide color photographic material

INVENTOR(S): Nagaoka, Satoshi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

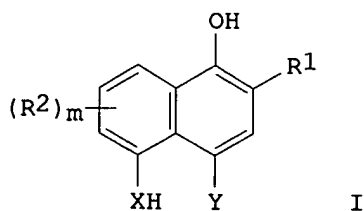
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62087960	A	19870422	JP 1985-228269	19851014
JP 05075101	B	19931019		
PRIORITY APPLN. INFO.:			JP 1985-228269	19851014

GI



AB A Ag halide color photog. material is provided with ≥ 1 red-sensitized emulsion layer containing a compound capable of yielding a

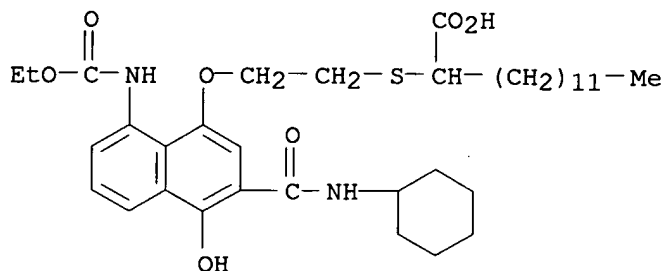
diffusible development inhibitor or its precursor upon reaction with the oxidation product of the principal developer and a cyan coupler of the formula (I; R1 = COR3R4, NHCOR3, NHCO2R5, NHSO2R5, NHCONR3R4, NHSO2NR3R4 (R3, R4 = H, aliphatic, aromatic, heterocyclyl; R5 = aliphatic, aromatic, heterocyclyl; R6 = H, monovalent organic; R2 may combine to form a ring; R2 and X or X and Y may join to form a ring; R1, R2, X, or Y may yield a polymer), R2 = substituent; m = 0-3; X = O, S, R6N; Y = H, group releasable on coupling with the oxidation product of a primary aromatic amine-type developer]. Stable color images are obtained with good color reproducibility.

IT 110729-22-1

RL: TEM (Technical or engineered material use); USES (Uses)
(photog. cyan coupler, color materials containing, for stable images)

RN 110729-22-1 CAPLUS

CN Tetradecanoic acid, 2-[[2-[[3-[(cyclohexylamino)carbonyl]-8-[(ethoxycarbonyl)amino]-4-hydroxy-1-naphthalenyl]oxy]ethyl]thio]- (CA INDEX NAME)



L8 ANSWER 52 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:487035 CAPLUS

DOCUMENT NUMBER: 107:87035

TITLE: Silver halide color photographic material

INVENTOR(S): Shimada, Yasuhiro; Fukuzawa, Yutaka; Ichijima, Yasushi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

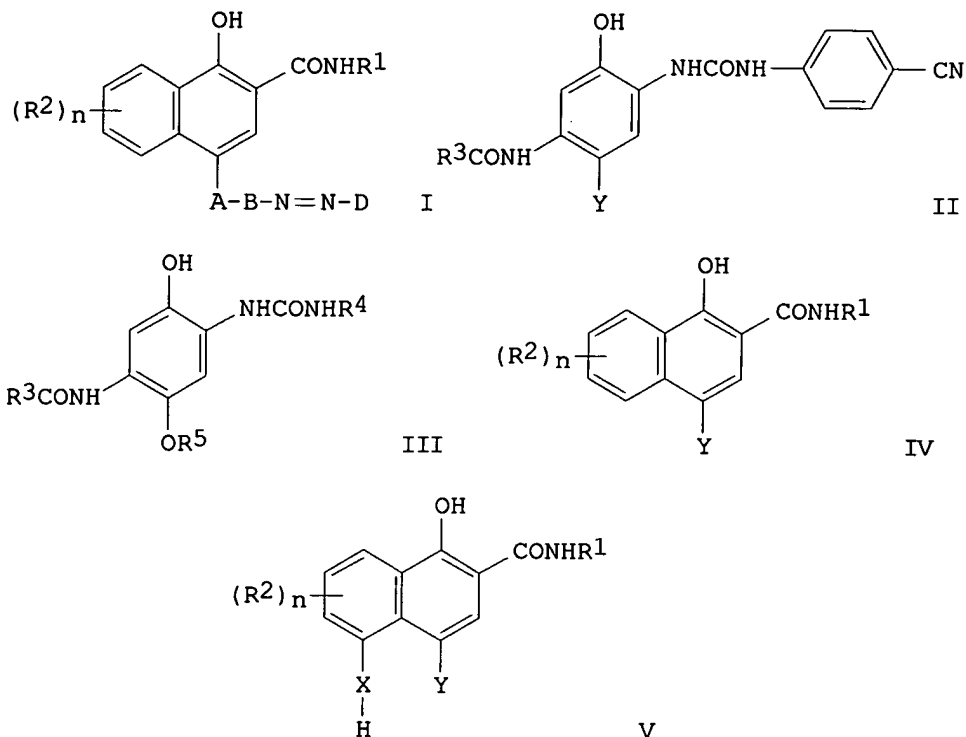
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61273543	A	19861203	JP 1985-114242	19850529
JP 05043098	B	19930630		
US 4883746	A	19891128	US 1989-309925	19890213
PRIORITY APPLN. INFO.:			JP 1985-114242	A 19850529
			US 1986-868389	A1 19860529

GI



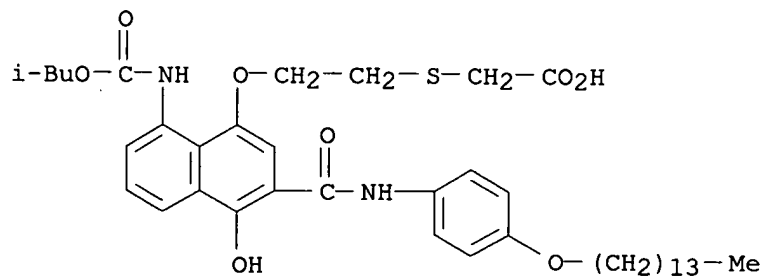
AB A Ag halide color photog. material contains a color coupler I and ≥ 1 cyan coupler selected from II-V [R1 = aryl, heterocyclyl; R2 = naphthol ring substituent; R3 = aliph.group, aryl, heterocyclyl; R4 = aromatic group exclusive of p-NCC6H4-; R5 = aryl, heterocyclyl; R6 = aliphatic group; n = 0, 4; m = 0, 3; ABN=ND= group releasable on coupling; A = divalent group in which the bond with the C atom of the active coupling site is cleaved during coupling with the oxidized form of the coupler; B = divalent aryl or heterocyclyl; D = aryl, heterocyclyl; Y = H, group releasable on coupling; X = O, S, R7N (R7 = H, organic group)]. The material shows high sensitivity and provides high-d. cyan images even when an exhausted bleaching solution is used.

IT 109625-49-2

RL: TEM (Technical or engineered material use); USES (Uses)
(cyan photog. coupler)

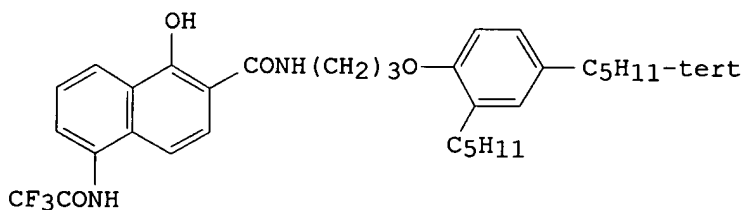
RN 109625-49-2 CAPLUS

CN Acetic acid, [[2-[[4-hydroxy-8-[[[(2-methylpropoxy)carbonyl]amino]-3-[[[4-(tetradecyloxy)phenyl]amino]carbonyl]-1-naphthalenyl]oxy]ethyl]thio]- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 1986:177615 CAPLUS
 DOCUMENT NUMBER: 104:177615
 TITLE: Silver halide color photographic material
 INVENTOR(S): Saito, Naoki; Aoki, Kozo; Yokota, Yukio
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 106 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 161626 A2		19851121	EP 1985-105599	19850507
R: DE, FR, GB, NL				
PRIORITY APPLN. INFO.:			JP 1984-93605	19840510
			JP 1984-264277	19841214
			JP 1984-268135	19841219
OTHER SOURCE(S):	CASREACT	104:177615		
GI				



AB A Ag halide color photog. light-sensitive material containing a specific naphthol cyan coupler is described. Dye images formed by this coupler are excellent in fastness to heat and light and in sharpness and are free from adverse influences of bleaching solns. having weak oxidative activity or spent bleaching solns. Thus, coupler I was synthesized as follows:
 5-amino-1-hydroxynaphthalic acid 20.3 g was dispersed in tetrahydrothiophene 100 mL and trifluoroacetic anhydride 45 g was added. The mix. was heated at 80° for 2 h, H2O 20 g was added, stirred for 20 min, acetonitrile 200 mL added, and the precipitate washed to get 5-trifluoroacelamido-1-hydroxynaphthoic acid (II) 21 g. Then II 200 and p-nitrophenol 100 g were dispersed in acetonitrile 1.5 L and added with DMF 15 and thionyl chloride 110 mL. The precipitate was washed to obtain p-nitrophenyl 5-trifluoroacetamido-1-hydroxynaphthoate (III). Then III 40 g was dispersed in THF 200 mL and added with 3-(2,4-di-tert-amyphenoxy)propylamine. Some 61 g of the I was recovered from the resultant mix. after hydrolysis. A film was prepared by using the coupler, exposed, developed, and color fastness tested. The d. reduced after 8 days of storage at 100° and 8 days of exposure to 100,000 lx were 8 and 12%, resp.

IT 101661-54-5

RL: TEM (Technical or engineered material use); USES (Uses)
 (cyan photog. coupler)

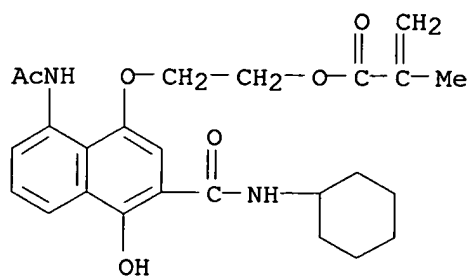
RN 101661-54-5 CAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 2-[[8-(acetamino)-3-
 [(cyclohexylamino)carbonyl]-4-hydroxy-1-naphthalenyl]oxy]ethyl
 2-methyl-2-propenoate and methyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 101661-53-4

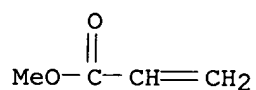
CMF C25 H30 N2 O6



CM 2

CRN 96-33-3

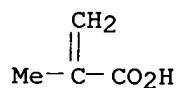
CMF C4 H6 O2



CM 3

CRN 79-41-4

CMF C4 H6 O2



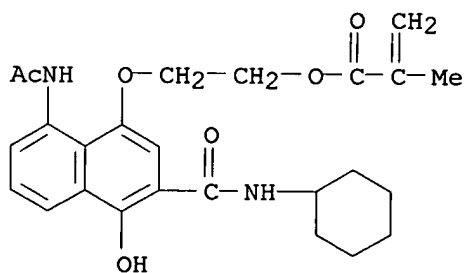
IT 101661-53-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with Et acrylate in synthesis of cyan photog. coupler)

RN 101661-53-4 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[[8-(acetamino)-3-[(cyclohexylamino)carbonyl]-4-hydroxy-1-naphthalenyl]oxy]ethyl ester (CA INDEX NAME)



L8 ANSWER 54 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1981:39527 CAPLUS
 DOCUMENT NUMBER: 94:39527

ORIGINAL REFERENCE NO.: 94:6355a,6358a
 TITLE: Purification of photographic image-forming sulfonamido compounds employing immiscible solvents
 INVENTOR(S): Milner, Nigel E.; Payne, Christine C.
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA
 SOURCE: U.S., 9 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4228070	A	19801014	US 1979-15972	19790228
CA 1117523	A1	19820202	CA 1979-322808	19790306
PRIORITY APPLN. INFO.:			US 1979-15972	A 19790228

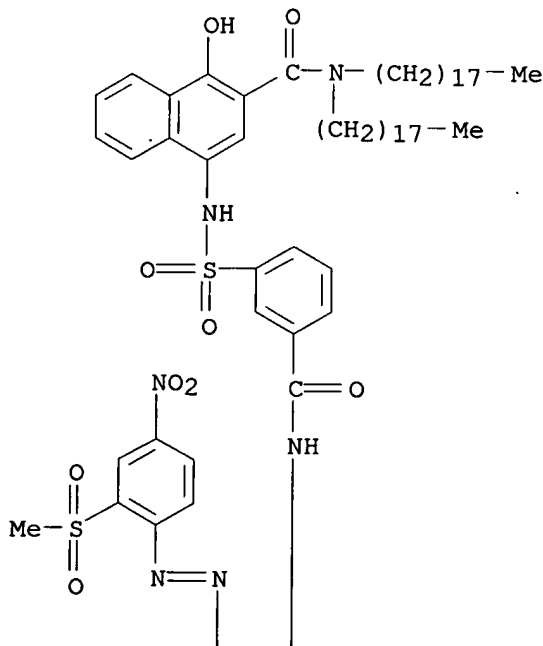
AB The purification of sulfonamido image forming compds. (alkali-clearable upon oxidation to release a diffusible sulfonamido color forming moiety) which are useful in diffusion transfer photog., involves dissoln. in DMF, extraction of impurities with petroleum hydrocarbon, and recovery of the compound from DMF solution. Thus, the crude 3-chloro-2-hydroxy-5-{4-[4-hydroxy-3-(N,N-diocetadecylcarbamoyl)-1-naphthylsulfamoyl]phenylazo}benzamide (I) 50 g was dissolved in DMF 500, extracted with ligroin (b.p. 60-80°) (2 + 500 mL), mixed with EtOAc 900 mL, extracted with H2O 3 L, and the separated EtOAc evaporated to give an oil which was crystallized from MeOH/MeEtCO mixture to give 40 g of the purified I.

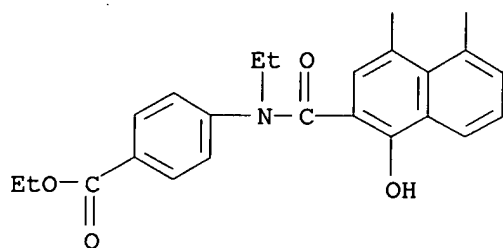
IT 76152-55-1
 RL: USES (Uses)
 (purification method for)

RN 76152-55-1 CAPLUS

CN Benzoic acid, 4-[[[5-[[3-[[[3-[(diocetadecylamino)carbonyl]-4-hydroxy-1-naphthalenyl]amino]sulfonyl]benzoyl]amino]-1-hydroxy-4-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]ethylamino]-, ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A





L8 ANSWER 55 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1979:620270 CAPLUS
 DOCUMENT NUMBER: 91:220270
 ORIGINAL REFERENCE NO.: 91:35350h,35351a
 TITLE: Photographic recording material
 INVENTOR(S): Kilminster, Kenneth Norman; Holstead, Colin
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA
 SOURCE: Ger. Offen., 65 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2853584	A1	19790613	DE 1978-2853584	19781212
US 4195993	A	19800401	US 1978-934454	19780817
CA 1106363	A1	19810804	CA 1978-313186	19781012
FR 2411220	A1	19790706	FR 1978-34760	19781211
FR 2411220	B1	19850830		
JP 54099431	A	19790806	JP 1978-152989	19781211
JP 61056500	B	19861202		
GB 2009954	A	19790620	GB 1978-48094	19781212
GB 2009954	B	19820519		
US 4273708	A	19810616	US 1979-46137	19790606
PRIORITY APPLN. INFO.:			GB 1977-51648	A 19771212
			US 1978-934454	A3 19780817

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Multilayer Ag halide dye diffusion-transfer color photog. films containing the cyan dye former I (R = C1-6 alkyl; R1 = C1-6 alkyl, C6-10 aryl, or NR4R5 where R4, R5 = C1-6 alkyl or C6-10 aryl or together with the N atom form a 5-7 membered heterocycle; R2 = m- or p-C6H4CO2H or C6H4R6 where R6 is a ballast group; R3 = CO2H or a ballast group; and Z = CO or SO2) release during development a lightfast and heat-stable cyan dye with an intense absorption band. Thus, 5-amino-1-hydroxy-2-naphthoic acid 19 g was treated with 3-fluorosulfonylbenzoyl chloride 22 g for 10 min in an aqueous solution of THF 700 mL with dimethylaniline 34 g, the separated reaction product

10 g was treated with SOCl2 10.8 g in a solution of CH2Cl2 and DMF 0.5 mL for 2.5 h, the separated product 12.0 g was dissolved in THF 50 mL and added to a

solution of Et 4-ethylaminobenzoate 14.5 g in THF 150 mL with stirring for 30 min, the mixture was poured into 1N HCl 500 mL, and the product was extracted with EtOAc and dried, the product 13 g in DMF 50 mL at 10° was treated with a solution of diazotized 2-mesyl-4-nitroaniline and recrystd. from HOAc, a solution of the product 11.4 g and NaHCO₃ 6.2 g in DMSO 60 mL was treated at 105-10° with 4-amino-N-[(2,4-di-tert-pentylphenoxy)tetramethylene]-1-hydroxy-2-naphthamide 6.2 g, and the product 9.5 g in DMF 200 and MeOH 100 mL was treated with a 10% KOH-MeOH solution 100 mL to give II 6.1 g. A test assembly consisting of a poly(ethylene terephthalate) support overcoated with a Ag(Cl,Br) emulsion (Ag 10.8 mg/dm² and gelatin 16.1 mg/dm²), an intermediate dye layer containing II 5.4 + 10⁻⁶ mol/dm² and gelatin 27.7 mg/dm², a cover layer of gelatin 8.1 mg/dm², and an image-receiving element with a mordanting layer containing poly[styrene-N-benzyl-N,N-dimethyl-N-(3-maleimidopropyl)ammonium chloride] 32.3 mg/dm² and 1,4-butanediol diglycidyl ether 3.23 mg/dm² was exposed and developed to give a cyan dye image which was exposed to UV for 20 h to give a bleaching of 9%, a λ_{max} of 656 nm, and a band half-width of 90 nm.

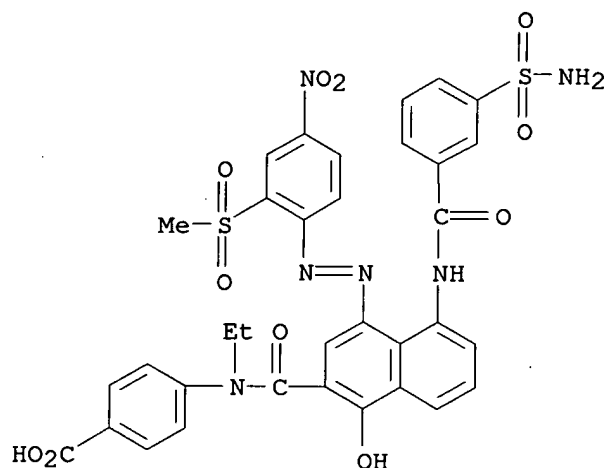
IT 72015-01-1 72015-08-8 72015-10-2

RL: USES (Uses)

(cyan dye former, for color diffusion-transfer photog films)

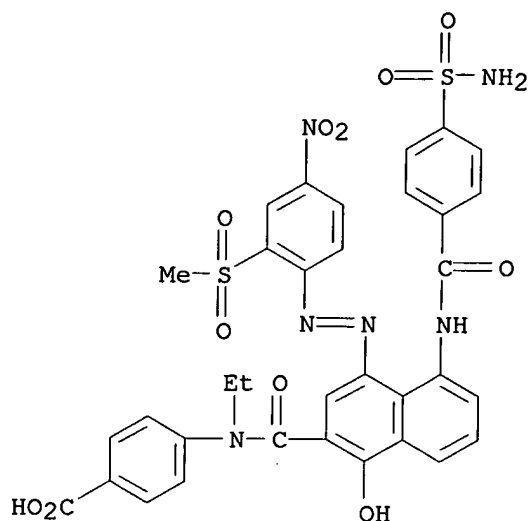
RN 72015-01-1 CAPLUS

CN Benzoic acid, 4-[[[5-[[3-(aminosulfonyl)benzoyl]amino]-1-hydroxy-4-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]ethylamino]-(9CI) (CA INDEX NAME)



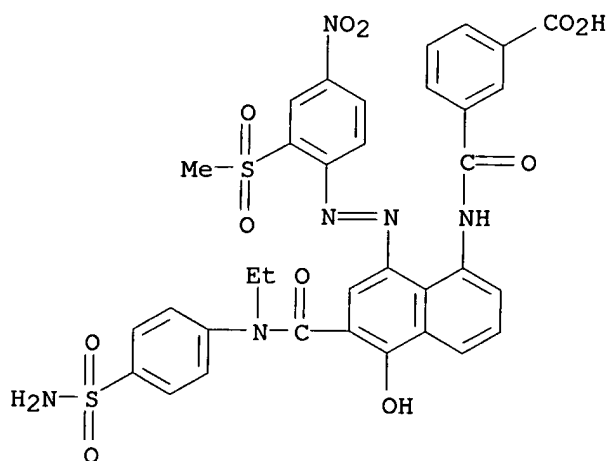
RN 72015-08-8 CAPLUS

CN Benzoic acid, 4-[[[5-[[4-(aminosulfonyl)benzoyl]amino]-1-hydroxy-4-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]ethylamino]-(9CI) (CA INDEX NAME)



RN 72015-10-2 CAPLUS

CN Benzoic acid, 3-[[[6-[[[4-(aminosulfonyl)phenyl]ethylamino]carbonyl]-5-hydroxy-8-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-1-naphthalenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

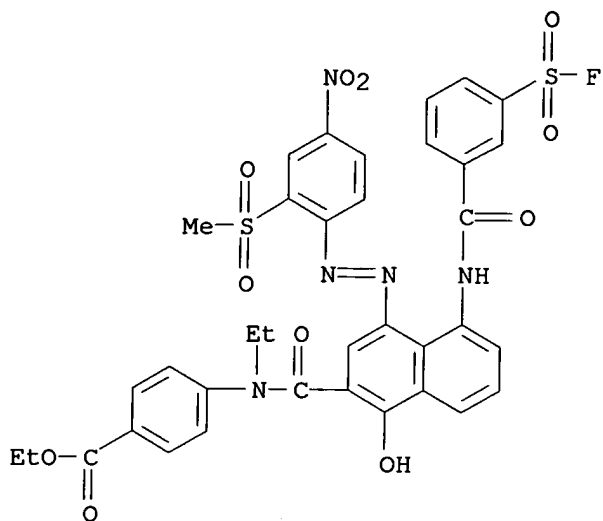


IT 70950-63-9P 70950-64-0P 72032-51-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

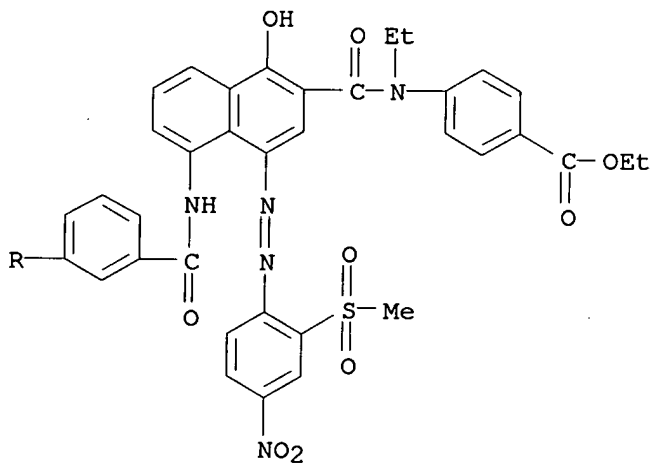
RN 70950-63-9 CAPLUS

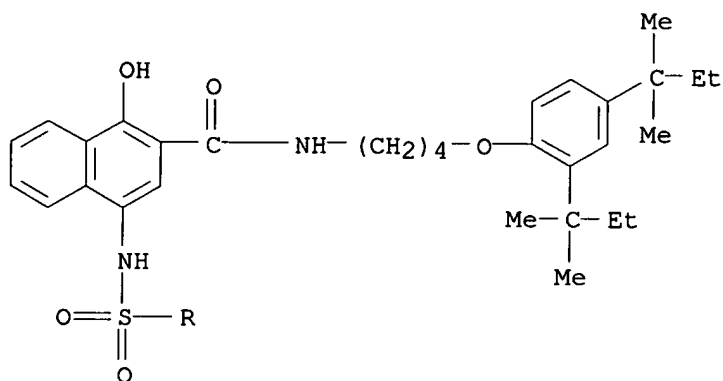
CN Benzoic acid, 4-[ethyl[[5-[[3-(fluorosulfonyl)benzoyl]amino]-1-hydroxy-4-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 70950-64-0 CAPLUS
 CN Benzoic acid, 4-[[[5-[[3-[[[3-[[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]butyl]amino]carbonyl]-4-hydroxy-1-naphthalenyl]amino]sulfonyl]benzoyl]amino]-1-hydroxy-4-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]ethylamino]-, ethyl ester (9CI) (CA INDEX NAME)

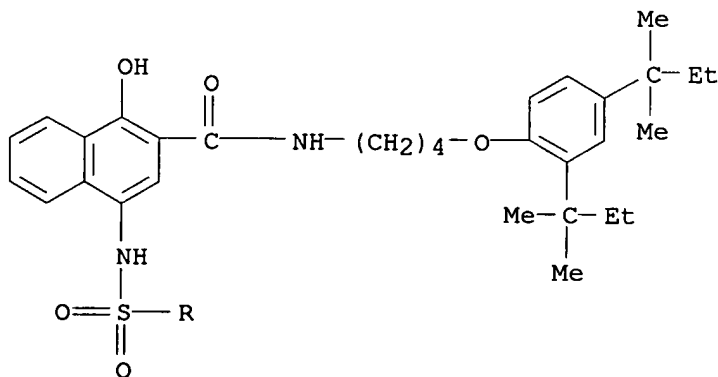
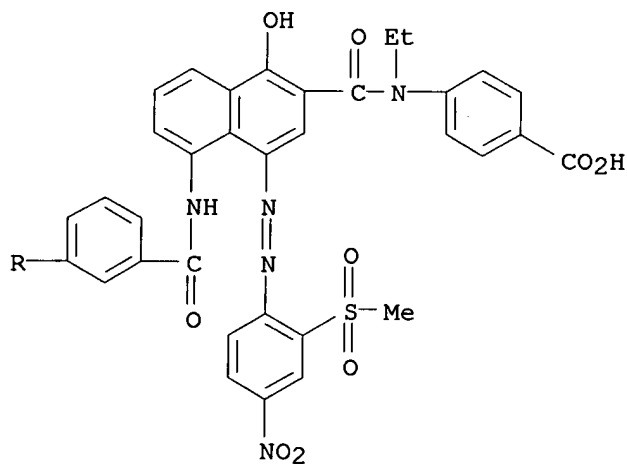
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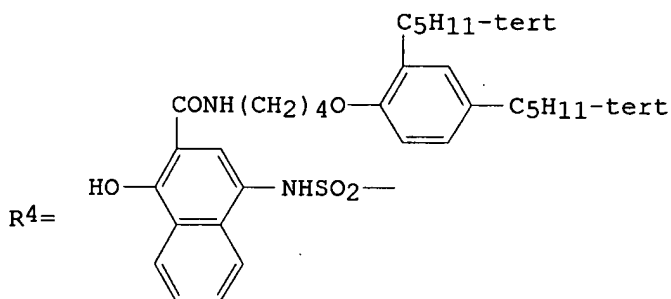
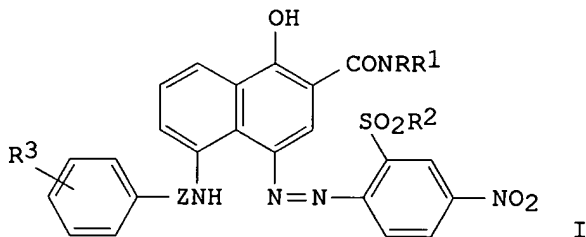
RN 72032-51-0 CAPLUS

CN Benzoic acid, 4-[[[5-[[3-[[[3-[[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]butyl]amino]carbonyl]-4-hydroxy-1-naphthalenyl]amino]sulfonyl]benzoyl]amino]-1-hydroxy-4-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]ethylamino]-(9CI) (CA INDEX NAME)



L8 ANSWER 56 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1979:492973 CAPLUS
 DOCUMENT NUMBER: 91:92973
 ORIGINAL REFERENCE NO.: 91:15027a,15030a
 TITLE: Compounds which release cyan dyes or dye forming materials
 AUTHOR(S): Kilminster, K. N.; Holstead, C.
 CORPORATE SOURCE: Kodak Ltd., UK
 SOURCE: Research Disclosure (1979), 180, 195-7 (No. 18039)
 CODEN: RSDSBB; ISSN: 0374-4353
 DOCUMENT TYPE: Journal; Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RD 180039		19790410		
PRIORITY APPLN. INFO.: GI			RD 1979-180039	19790410



AB Title compds., useful as redox dye-releasing agents for diffusion transfer color photog., have the general structure I where R = alkyl; R1 = Ph substituted with CO2H or with a carrier moiety, or RR1N = heterocyclic group; R2 = alkyl, aryl, dialkylamino, or heterocyclic amino group; Z = CO or SO2; and R3 = CO2H or a carrier moiety. The compds. contain at least 1 carrier moiety, i.e., a group releasing a diffusible dye under alkaline oxidation

conditions. The multistep synthesis of a typical product, I [R = Et, R1 = C6H4CO2H-p, R2 = Me, Z = CO, R3 = R4 (in meta position)] [70950-65-1] is described.

IT 70950-64-0P

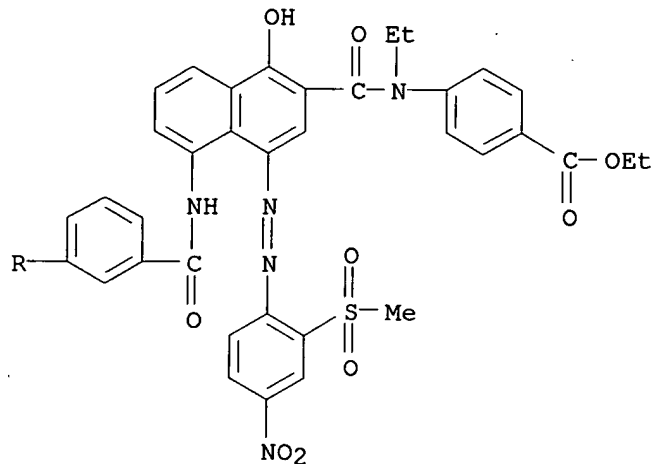
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and hydrolysis of)

RN 70950-64-0 CAPLUS

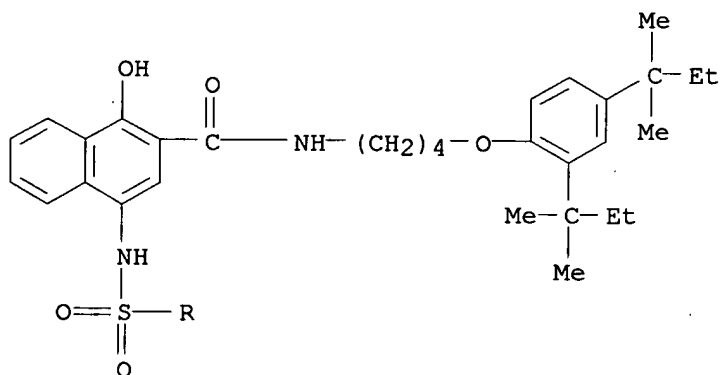
CN Benzoic acid, 4-[[[5-[[3-[[[3-[[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]butyl]amino]carbonyl]-4-hydroxy-1-naphthalenyl]amino]sulfonyl]benzoyl]amino]-1-hydroxy-4-[[2-

(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]ethylamino]-, ethyl ester (9CI) (CA INDEX NAME)

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PAGE 2-A



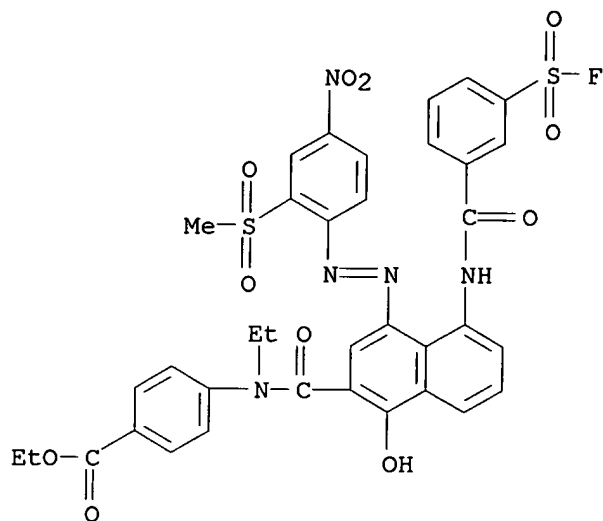
IT 70950-63-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction with aminonaphthamide derivative)

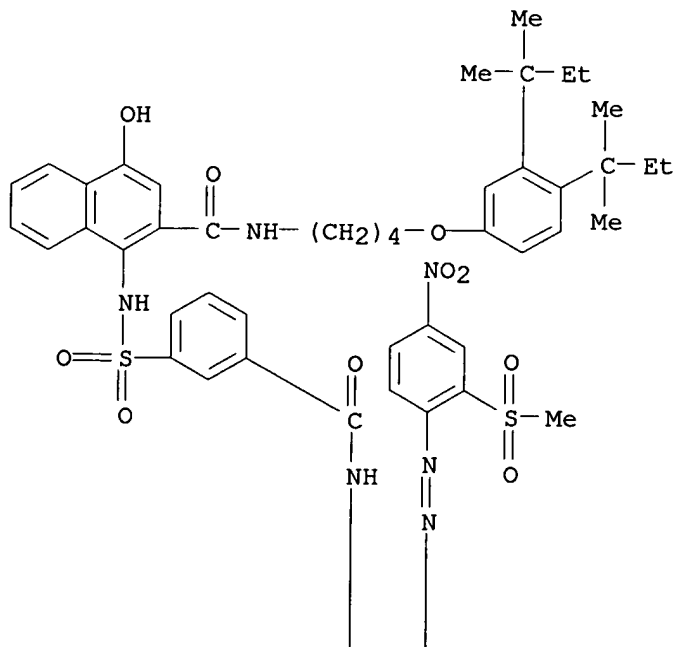
RN 70950-63-9 CAPLUS

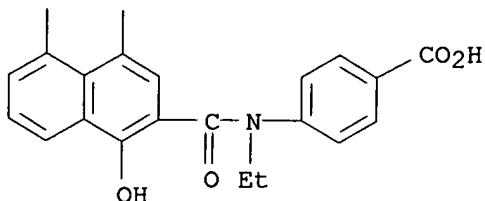
CN Benzoic acid, 4-[ethyl[[5-[[3-(fluorosulfonyl)benzoyl]amino]-1-hydroxy-4-[[2-(methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



IT 70950-65-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, for use as redox cyan dye-releasing compound in color
 photog.)
 RN 70950-65-1 CAPLUS
 CN Benzoic acid, 4-[[[5-[[3-[[[2-[[[4-[2,4-bis(1,1-
 dimethylpropyl)phenoxy]butyl]amino]carbonyl]-4-hydroxy-1-
 naphthalenyl]amino]sulfonyl]benzoyl]amino]-1-hydroxy-4-[[2-
 (methylsulfonyl)-4-nitrophenyl]azo]-2-naphthalenyl]carbonyl]ethylamino]-
 (9CI) (CA INDEX NAME)

PAGE 1-A





L8 ANSWER 57 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1972:441335 CAPLUS
 DOCUMENT NUMBER: 77:41335
 ORIGINAL REFERENCE NO.: 77:6827a,6830a
 TITLE: Photographic silver halide emulsions containing magenta-colored cyan coupler
 INVENTOR(S): Guzzi, Alberto; Maganoli, Remo; Vittore, Lorenzo
 PATENT ASSIGNEE(S): Ferrania Societa per Azioni
 SOURCE: U.S., 7 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3647468	A	19720307	US 1968-728887	19680514
PRIORITY APPLN. INFO.:			US 1968-728887	A 19680514

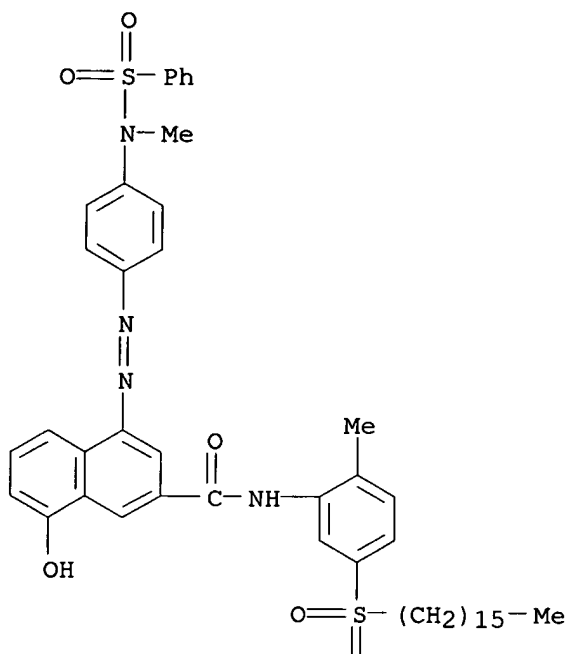
GI For diagram(s), see printed CA Issue.

AB Magenta-colored cyan couplers correcting unsatisfactory absorption characteristics of cyan images and having strong absorption in the green spectral zone and high resistance to heat and humidity are naphthalenesulfonanilides I, where X is a halogen or alkyl group, Y is CO or SO₂, R₁ is a C₁-18 alkyl group or an aryl group, A is a divalent radical SO₂NR₂ (R₂ = C₁-18 alkyl), and R₃ is a substituted or unsubstituted Ph or naphthyl group. E.g., 3.6 g I (X = Me, YR₁ = COC₁₁H₂₃, AR₃ = NMeSO₂Ph) was dissolved in a mixture containing 7.2 ml of dibutyl phthalate and 21.6 ml of EtOAc, the solution poured into 72 ml of a 4% gelatin solution containing 7.2 ml of a 10% solution of Na tetradecyl sulfate and dispersed at 40°, added to 1 kg of a Ag halide photog. emulsion sensitized to red light, coated on a transparent support, dried, imagewise exposed, and then processed to give a cyan-colored neg. image of the subject and a magenta-colored pos. masking image.

IT 38255-03-7
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. coupler)

RN 38255-03-7 CAPLUS

CN 2-Naphthalenecarboxamide, N-[5-(hexadecylsulfonyl)-2-methylphenyl]-8-hydroxy-4-[[4-[methyl(phenylsulfonyl)amino]phenyl]azo]- (9CI) (CA INDEX NAME)



L8 ANSWER 58 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1968:434327 CAPLUS

DOCUMENT NUMBER: 69:34327

ORIGINAL REFERENCE NO.: 69:6391a,6394a

TITLE: Inhibition of staphylococcal α -toxin. The effect of aromatic polysulfonic acids on the lethal effect of α -toxin in mice

AUTHOR(S): Arbuthnott, J. P.; Lominski, I. R. W.; Wright, Margaret Robson

CORPORATE SOURCE: Anderson Coll., Glasgow, UK

SOURCE: Biochemical Journal (1968), 108(1), 49-55

CODEN: BIJOAK; ISSN: 0264-6021

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Certain aromatic polysulfonic acids previously tested for inhibition of the hemolytic activity of staphylococcal α -toxin, together with some addnl. related compds., were tested as possible inhibitors of α -toxin in mice. Compds. that inhibited the hemolytic activity of α -toxin at concns. of 0.16 mM or less inhibited the lethal effect of α -toxin. Amts. of 1 mg. were generally required to inhibit 4 LD50 of toxin when the test compds. were premixed with α -toxin before injection. The half-mol. analogs tested were noninhibitory. Some compds., when administered sep. from α -toxin by the same route (i.p.), were active only when injected almost simultaneously with toxin, whereas others were inhibitory when injected 15 min. before or after the toxin.

IT 20716-45-4

RL: BIOL (Biological study)

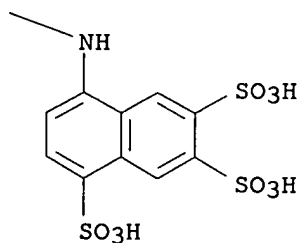
RN 20716-45-4 CAPLUS

CN 1,6,7-Naphthalenetrisulfonic acid, 4,4'-[ureylenebis[(4-ethoxy-5-iodo-m-phenylene)carbonylimino(4-ethoxy-6,1-naphthylene)carbonylimino]]di-, hexasodium salt (8CI) (CA INDEX NAME)

CCOC(=O)c1ccc2cc(NC(=O)c3cc(OC)c(I)cc3NC(=O)Nc4cc(OC)c(I)cc4C(=O)Nc5ccc6cc(NC(=O)c7cc(S(=O)(=O)O)cc(S(=O)(=O)O)c7)cc6cc5)ccc2c1

PAGE 1-B

●6 Na



L8 ANSWER 59 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1968:434326 CAPLUS

DOCUMENT NUMBER: 69:34326

ORIGINAL REFERENCE NO.: 69:6391a, 6394a

TITLE: Inhibition of staphylococcal α -toxin. A kinetic evaluation of aromatic polysulfonic acids as inhibitors of hemolysis

AUTHOR(S): Wright, Margaret Robson; Arbuthnott, John P.; Lominski, Iwo R. W.

CORPORATE SOURCE: Univ. Dundee, Dundee, UK

SOURCE: Biochemical Journal (1968), 108(1), 41-8

CODEN: BIJOAK; ISSN: 0264-6021

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The effect of a number of aromatic polysulfonic acids on the kinetics of hemolysis of rabbit erythrocyte suspensions by crude staphylococcal α -toxin was studied at pH 8.6 and 6.8. All of the inhibitory compds. caused an increase in the prelytic lag time of the sigmoid hemolysis curves, an increase in the time to reach 50% hemolysis and a decrease in the maximum rate of hemolysis ($R_{max.}$). The most inhibitory compds. caused a 50% decrease in $R_{max.}$ at concns. between 0.1 and 0.2mM. The effect of pH varied considerably: some compds. were almost equally inhibitory at both pH values, some were more inhibitory at pH 6.8 than at pH 8.6, and others were more inhibitory at pH 8.6. Increased time of premixing α -toxin with one of the compds. caused increased inhibition. An attempt was made to relate the inhibitory activity to the structure of the test compound

IT 20716-45-4

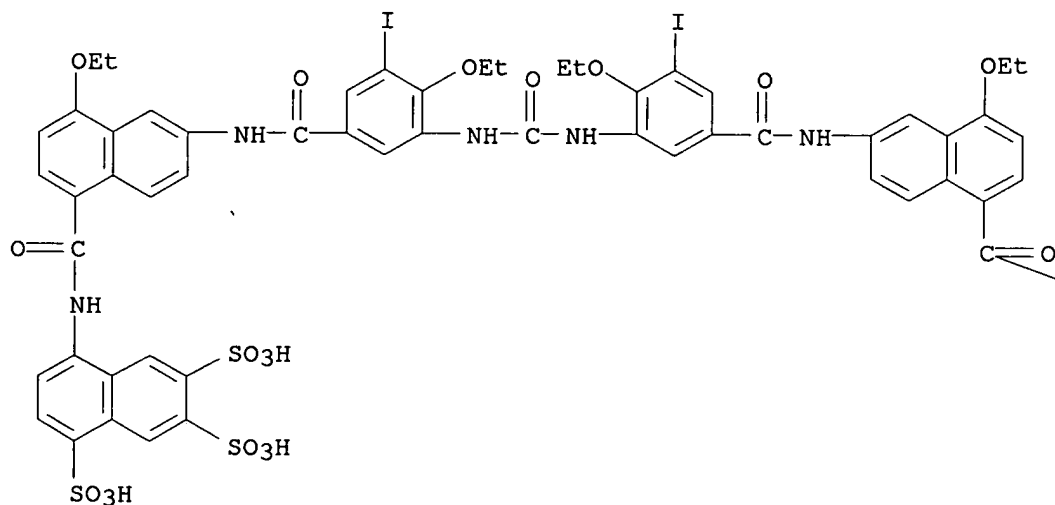
RL: BIOL (Biological study)

(hemolytic staphylococci α -toxin inhibition by)

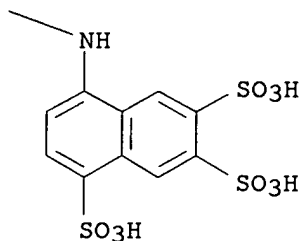
RN 20716-45-4 CAPLUS

CN 1,6,7-Naphthalenetrisulfonic acid, 4,4'-[ureylenebis[(4-ethoxy-5-iodo-m-phenylene)carbonylimino(4-ethoxy-6,1-naphthylene)carbonylimino]]di-, hexasodium salt (8CI) (CA INDEX NAME)

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●6 Na



L8 ANSWER 60 OF 60 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1961:121491 CAPLUS
 DOCUMENT NUMBER: 55:121491
 ORIGINAL REFERENCE NO.: 55:22850c-f
 TITLE: Pigment dyes
 INVENTOR(S): Frey, Christoph; Ronco, Karl; Schmid, Max
 PATENT ASSIGNEE(S): C I B A Ltd.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2988544		19610613	US 1959-787364	19590119
CH 366613			CH	
GB 891231			GB	

AB Dyes of the formula AN(R)CONHXNHCON(R)A, where A is a dye radical, X an organic radical, and R is H or an alkyl are pigments having good fastness to light and migration. 2-Methoxy-5-chloroaniline (I) (47.25 parts) was diazotized and coupled with 42.9 parts 2-aminonaphthalene (II), and the dye (III) was filtered off, washed, and dried. The dye (12.5 parts) was heated to 110° with 200 parts by volume o-dichlorobenzene and 4.2 parts naphthylene 1,5-diisocyanate (IV), and 3 parts pyridine added. The whole was stirred at 150-5° for 15 hrs. After cooling to 100°, the dye was filtered, washed with hot o-dichlorobenzene and then hot EtOH, and dried in vacuo at 90°. When the dye was rolled into poly(vinyl chloride), a reddish yellow film having good fastness to light and migration resulted. Similarly, dyes were prepared (constituents and color on poly(vinyl chloride) film given): III, hexamethylene diisocyanate, yellow; diazotized 2-chloro-5-trifluoromethylaniline, II, 3,3'-dimethoxybiphenyl 4,4'-diisocyanate, yellow-orange; III, 3,3'-dichlorobiphenylene 4,4'-diisocyanate (V), yellow; III, phenylene 1,4-diisocyanate (VI), scarlet; III, 2,5-dichlorophenylene 1,4-diisocyanate (VII), yellow; diazotized I, 2-hydroxy-3-naphthamide (VIII), V, bluish red; diazotized I, VIII, VI, brownish red; 4'-isocyanato-2,3'-dimethylazobenzene, p-phenylenediamine, yellow; 1-(4-isocyanatophenylazo)naphthalene, benzidine, brown; 2-methoxy-4-chloro-5-methylaniline (diazotized), II, VI, yellow. Other applications made were: coloring nitrocellulose laquer used on Al foil, coloring alkylmelamine stoving varnish used on Al foil, and dyeing rayon

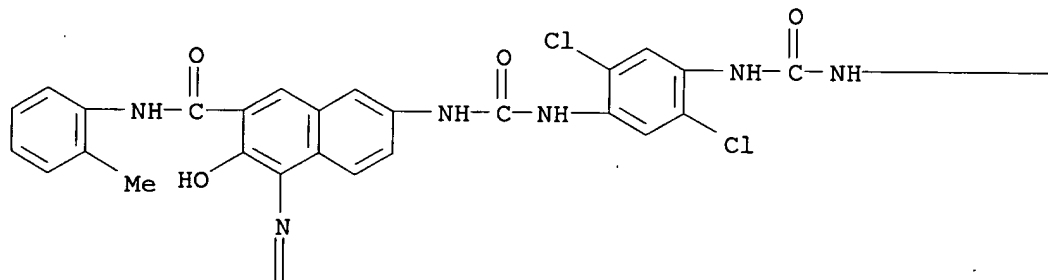
fiber by adding aqueous suspension of the dye to the spinning solution

IT 109504-91-8P, Urea, 1,1'-(2,5-dichloro-p-phenylene)bis[3-[5-(4-benzamido-2,5-dimethoxyphenylazo)-6-hydroxy-7-o-tolylcarbamoyl-2-naphthyl]-
RL: PREP (Preparation)
(preparation of).

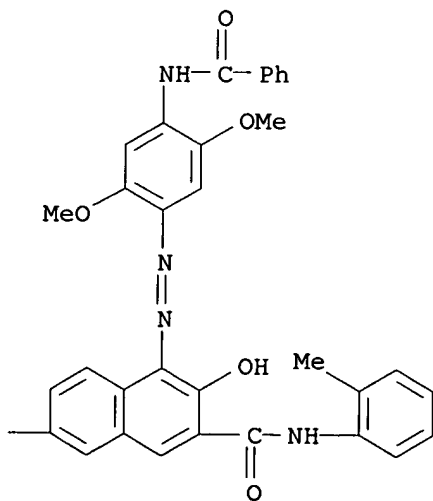
RN 109504-91-8 CAPLUS

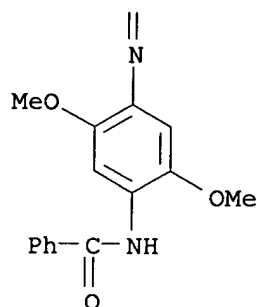
CN Urea, 1,1'-(2,5-dichloro-p-phenylene)bis[3-[5-(4-benzamido-2,5-dimethoxyphenylazo)-6-hydroxy-7-o-tolylcarbamoyl-2-naphthyl]- (6CI) (CA
INDEX NAME)

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(FILE 'HOME' ENTERED AT 12:56:17 ON 11 DEC 2007)

FILE 'REGISTRY' ENTERED AT 12:56:26 ON 11 DEC 2007

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FILE HOME

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